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**EAST BAY AMATEUR RADIO CLUB**

**W6CUS**

# **THE BLOWN FUSE**



**EAST BAY AMATEUR RADIO CLUB  
P.O. BOX 6211  
ALBANY, CA 94706**

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— 1986 —

## **COMING EVENTS**

JAN 6 7:30 pm EBARC EXECUTIVE BOARD MEETING  
6337 Kensington Avenue  
Richmond

JAN 10 7:30 pm W6EJA Memorial Station opens  
8:00 pm EAST BAY A.R.C. MEETING  
Speaker: Ted Harris (N611U)  
Topic: Mexican Earthquake Slides

FEB 14 8:00 pm EAST BAY A.R.C. MEETING

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second  
Friday of each month at the Salvation Army Church, 1110 36th St. (at  
Rheem Ave.), Richmond, CA**



# EXECUTIVE BOARD MEETING SET FOR MONDAY, JANUARY 6 NEW E.B.A.R.C. CONSTITUTION TO BE REVIEWED

East Bay Amateur Radio Club President Bob Wheeler (KF6PD) has called a meeting of the EBARC Executive Board to be held Monday, January 6th, at 7:30 pm at the home of Rachel Lewellen, 6337 Kensington Avenue, Richmond. The purpose of the meeting is to review and discuss the wholesale revision of the Club's Constitution and Bylaws. All EBARC members, whether Board members or not, are invited to attend.

Club leaders have felt for several years that the existing documents are inadequate, and have advocated substantial revision. It has been only recently, however, that anything has been done in this regard. During the October, 1985 meeting, Betty Baldo (KB6P) was appointed Chairwoman of the Constitution Committee. Since that time, she has worked on two drafts of the proposed Constitution and Bylaws. Her latest effort is published in this edition of THE BLOWN FUSE, beginning on Page 4.

Readers are asked to study the proposed documents carefully. Any questions or revisions (preferably in writing) should be brought to Monday's meeting. The talk-in frequency prior to the meeting is the C.C.C.C. repeater, 145.11 MHz.

## WEST CONTRA COSTA COUNTY RACES/ARES NET CONTROL SCHEDULE

NET CONTROL OPERATOR	DATE	ALTERNATE NCO
Carl Eastman (KA6DLK)	Jan 9 86	Leo Lewis (WA6ZFU)
Leo Lewis (WA6ZFU)	Jan 16 86	Carl Eastman (KA6DLK)
Jack Whittock (KA6NQJ)	Jan 23 86	Ray Ahlberg (N6DIG)
Ray Ahlberg (N6DIG)	Jan 30 86	Jack Whittock (KA6NQJ)
Sam Mason (WD6FTM)	Feb 6 86	Joe Lee (WB6DOB)
Joe Lee (WB6DOB)	Feb 13 86	Sam Mason (WD6FTM)
Muriel Hunter (WD6FRP)	Feb 20 86	Roy Gantt (N6DVF)
Roy Gantt (N6DVF)	Feb 27 86	Muriel Hunter (WD6FRP)
Yoshi Nakamura (WB6QKS)	Mar 6 86	Larry Fields (N6HPX)
Larry Fields (N6HPX)	Mar 13 86	Yoshi Nakamura (WB6QKS)
Dave Tyler (N6DRT)	Mar 20 86	Don Simon (N16A)
Don Simon (N16A)	Mar 27 86	Dave Tyler (N6DRT)
Carl Clark (WA6KTL)	Apr 3 86	Cec Heden (N6EBQ)
Cec Heden (N6EBQ)	Apr 10 86	Carl Clark (WA6KTL)
Paul Mason (WA6EUZ)	Apr 17 86	Bud Fitzgerald (KA6NVX)
Bud Fitzgerald (KA6NVX)	Apr 24 86	Paul Mason (WA6EUZ)
Doug Cain (N6JNK)	May 1 86	Ed Caine (KA6QFR)
Ed Caine (KA6QFR)	May 8 86	Doug Cain (N6JNK)
Bob Graham (W6IWH)	May 15 86	Kim Leong (WA6QQF)
Kim Leong (WA6QQF)	May 22 86	Bob Graham (W6IWH)
Fred Strehlan (NW6E)	May 29 86	Mike Hampton (WB6JTJ)
Mike Hampton (WB6JTJ)	Jun 5 86	Fred Strehlan (NW6E)
Don Stiver (N6EEG)	Jun 12 86	Larry Doyle (WB6CTQ)
Larry Doyle (WB6CTQ)	Jun 19 86	Don Stiver (N6EEG)
Gabe Gabriel (WA6KQB)	Jun 26 86	Larry Drouin (WA6UHO)
Larry Drouin (WA6UHO)	Jul 3 86	Gabe Gabriel (WA6KQB)
Dave Tyler (N6DRT)	Jul 10 86	Al Minyen (N6EBO)

Everyone's cooperation and help on the net is greatly appreciated and will make the net easier and more instructive for all. Please mark your calendars now! The FIRST Thursday of each month is now "assignment" check-in night. Check-in mobile from your disaster assignment if possible. The NC for the date indicated is responsible for operating the West CoCo Emergency Net. Alternate NCs should also plan on checking in, just in case the assigned NC can't make it. If for any reason you cannot make your schedule, it is up to you to arrange for a replacement. Net protocol is found on PAGE 6 of the Emergency Communication Manual (ECOM). If you need an ECOM or net procedure section, just contact your EC.



**PROGRAM NOTICE: JANUARY 10, 1986**  
by Richard Fish (N6IIW)

Ted Harris (N6IIU) will be the guest speaker at the EBARC meeting of January 10, 1986. Ted is Director of Disaster Services for the Palo Alto Red Cross, Emergency Coordinator for Stanford University, a member of the Communications Advisory Committee for the Western Operational Headquarters of the American Red Cross, and also President of SPECS.

Ted was sent to Mexico City in September, the day after the earthquake there, to establish a satellite communications link with the American Red Cross in Washington DC. During his activities in Mexico City, Ted observed amateur radio emergency communications closely, and documented his experiences with over 100 color slides which he will show at our meeting. Ted has also presented his findings at a Western FEMA meeting at the Presidio of San Francisco together with his recommendations for Amateur Emergency Communications after future earthquake disasters in the Bay Area.

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**VIDEO CAMERAMAN WANTED**

Any East Bay A.R.C. member owning a video camera device is requested to contact Joe Lee (WB6DOB). Joe told THE BLOWN FUSE that there are always Club members who would like to attend meetings but are unable to do so due to work or other schedule conflicts. His plan is to record future EBARC meetings on video tape so that members may "catch up" on missed meetings that way. All that he needs to implement this worthwhile plan is the hardware! Joe may be contacted at 724-0533.

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**HAM RADIO OUTLET MOVING**

Ham Radio Outlet, a loyal advertiser in this publication and one of the "candy stores" favored by EBARC members, is moving its Oakland store on or about January 15. The new store, which should be more accessible to East Bay residents, is located near the 23rd Avenue exit off the Nimitz Freeway (I-880) in the Oakland Estuary/Brooklyn Basin area. It is near the Denny's Restaurant, and is sandwiched between Baytronics and West Marine Products. The address is 2210 Livingston Street. A grand opening celebration is scheduled for Saturday, February 1st.

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**MIXED SIGNALS ON ANTI-PHONE PATCH BILL**

Amateur Radio publications seem to disagree on the severity of the purported threat to phone patches and other hobby equipment. It was reported here last month that the cellular telephone industry is gearing up a drive at the Federal level to outlaw ham-radio phone patches, 800-MHz scanners, and anything else threatening the "privacy" of mobile telephone calls. The January issue of Worldradio features a headline story by Bill Pasternak (WA6ITF) which echoes this theme, suggesting that amateurs begin now to defend their rights. The lead article in the December 19 A.R.R.L. Letter, on the other hand, is entitled "Privacy Act Does Not Target Phone Patches", and states: "the bill [S.1667/HR 3378] does not propose to outlaw phone patches, it would not make possession of any kind of equipment illegal, . . . and ARRL is working closely and personally with Committee staff to smooth out rough spots." Who is right? Only time will tell. The important thing is that all hams keep themselves aware of these issues, and those who are able to help the cause do so.



# FIRST DRAFT OF NEW CONSTITUTION AND BYLAWS PREPARED by Betty Baldo (KB6P)

Several meetings back I learned that I had been assigned the task of drafting a Constitution and Bylaws for EBARC. With some suggestions from Chris, I have put together the attached. It follows the general pattern of several radio clubs with which I am familiar, all of which, in turn, follow the A.R.R.L. suggested guidelines for a Constitution and Bylaws.

The attached is a start; when it has been reviewed by the Constitution and Bylaws Committee, suggestions will be forthcoming. Also, in fairness to the membership they should be given the opportunity to contribute. It is recommended that all suggested changes be carefully thought out and then reduced to writing.

When all the suggestions are in, I will be happy to consolidate the ideas and prepare another draft. Hope the attached draft gives us a reasonable start.

## EAST BAY AMATEUR RADIO CLUB CONSTITUTION AND BYLAWS

### CONSTITUTION

#### Name - Article I

The name of this organization shall be the East Bay Amateur Radio Club, which hereafter shall be known as the "Club."

#### Purpose - Article II

Section 1. The members of the East Bay Amateur Radio Club, wishing to secure for themselves the pleasures and benefits of the association of persons commonly interested in amateur radio, enact this constitution as the governing law. It shall be our purpose to further exchange information and cooperation between members, to promote radio knowledge, fraternalism, and individual operating knowledge, and to so conduct Club programs and activities as to advance the general interest and welfare of amateur radio in the community.

Section 2. In addition, the Club's purpose is to stimulate interest in amateur radio by conducting classes, informative meetings, seminars, field day operations, Club net activities, emergency preparedness activities, etc., in order to promote our hobby and provide competent radio communication to the public in time of disaster or emergency and for community sponsored events.

#### Membership - Article III

All persons interested in amateur radio communications shall be eligible for membership. Membership shall be by written application and payment of dues to the Treasurer. All memberships expire December 31 of each year. There shall be three types of membership:

Section 1. Those members holding a valid amateur radio license shall be entitled to all privileges of the Club.

Section 2. Those members not holding a valid amateur radio license shall be entitled to all the privileges including the right of discussion, but no the right to vote.

Section 3. Family membership is available to a family whether any member is licensed or not; however, in the event of a licensed member, only that person shall enjoy full membership privileges. Family membership entitles the members to only one copy of any correspondence and one copy of The Blown Fuse.

#### Officers - Article IV

Section 1. The officers of the Club shall be President, First Vice President, Second Vice President, Third Vice President, Secretary, and Treasurer.

Section 2: The President shall appoint a Nominating Committee by September 1, which shall present a slate of officers at the October meeting. Prior to elections in November, the President will call for nominations from the floor. No member of the Committee shall be exempt from nomination for office either by the Committee itself or from the floor at the appropriate time. Before a name can be placed in nomination, the consent of the nominee must be obtained.



Section 3. The officers of this Club shall be elected for a term of one year by ballot of the members present, provided there is a quorum. Nominations will be made in November, and the elections as well as the installation will be held at the December meeting.

Section 4. Vacancies occurring between elections must be filled by special elections at the first regular meeting following the withdrawal or resignation.

Section 5. Officers may be removed by a three-fourths vote of the membership.

Section 6. An Executive Committee shall be made up of the present officers, any of the immediate past officers, and three members-at-large appointed by the President, but subject to approval by the membership, and Committee Chairmen. All meetings of the Executive Committee shall be open to any EBARC members who will have a voice but not a vote in the proceedings. The Executive Committee may elect a Chairman and a Vice Chairman, either of whom may call a meeting; otherwise, the President shall so act.

### Duties of Officers - Article V

Section 1. The President shall preside at all meetings of the Club and conduct the same according to the rules adopted. He shall enforce due observance of the Constitution and Bylaws; decide all questions of order; sign all official documents that are adopted by the Club, and none other; and perform all other customary duties pertaining to the office of President. At the expiration of his term, he shall deliver all items and documents pertaining/belonging to the Club to his successor.

Section 2. The First Vice President shall assume responsibility as Chairman of the Program Committee. In such capacity, he shall plan in advance for the year's programs, contact speakers, and make all necessary arrangements for meaningful programs. In the absence of the President, he shall assume the duties of the latter. At the expiration of his term of office, he shall deliver all items and documents accumulated during his tenure pertaining/ belonging to the club to his successor.

Section 3. The Second Vice President shall assume the duties of the Hospitality Chairman, ensuring adequate meeting room facilities, equipment needed by speaker, and refreshments following the meeting. In the absence of the First Vice president, he shall assume such duties as may apply to the First Vice President. Upon leaving office, he/she shall turn over all records and materials belonging to the Club to his successor.

Section 4. The Third Vice President shall assume duties of the Membership Chairman. His duties include attracting new members to the Club through personal contacts, publicity, etc. At meetings, the Third Vice President shall see that all new members and visitors are appropriately introduced and welcomed. All upgrades and new licensees shall be adequately acknowledged. In the absence of the Second Vice President, he shall assume the latter's duties. Upon leaving, he shall turn over to his successor such records and materials that he may have accumulated during his term of office.

Section 5. The Secretary shall keep a record of the proceedings of all meetings, keep a roll of members, submit applications for membership, carry on correspondence, read communications at each meeting, and mail written meeting notices to each member. He shall at the expiration of his term turn over all items pertaining or belonging to the Club to his successor.

Section 6. The Treasurer shall receive and receipt for all monies paid to the Club. He shall keep an accurate account of all monies received and expended. He shall pay no bills without proper authorization, and shall submit an itemized statement of disbursements and receipts. He shall at the expiration of his term turn over everything in his possession pertaining or belonging to the Club to his successor.

Section 7. The Executive Committee, as provided in Article IV, Section 6, shall conduct the routine business of the Club.

### Meetings - Article V

Section 1. The Bylaws provide for regular and special meetings. At meetings, a minimum of one-third of the membership shall constitute a quorum for the transaction of business.

Section 2. The Executive Committee shall meet at such time as the President deems it necessary, and at such meetings appointed officials, committee chairmen, and any other members may attend, but only committee members will cast votes on issues requiring same.

### Dues - Article VII

Section 1. The Club, by a majority of those present at any regular meeting, may levy upon the general membership such dues or assessments as shall be deemed necessary for the business of the organization within its objectives as set forth in the preamble. Non-payment of such dues or assessments shall be cause for expulsion from the Club within the discretion of the membership.



## Membership Assistance - Article VIII

Section 1. This Club may enact appropriate rules to minimize interference in operation between stations of its members. It may formulate adequate plans for disposition of any cases of interference to other radio services where reported as caused by an amateur station operation in the area of Club jurisdiction. The Club through designated committees can provide technical advice to members concerning equipment design and operation to assist in frequency observance, clean signals, uniform practice, and absence of spurious radiations from Club's member-stations. The Club may also maintain a program to foster and guide public relations.

## Amendments - Article IX

This Constitution or the Bylaws may be amended by a two-thirds vote of the members present. Proposals for amendments shall be submitted in writing at a regular meeting and shall be voted upon at the next following regular meeting, provided all members have been notified by mail of the intent to amend the Constitution and/or Bylaws at said meeting.

## Dissolution - Article X

Upon dissolution of the Club, no assets or records shall enure to the benefits of any member, but instead all such assets and records shall be transferred to the American Radio Relay League for such disposition as its Board of Directors shall deem advisable.

## Rules - Article XI

Robert's Rules of Order shall govern proceedings when said Constitution and Bylaws are inadequate.

## BYLAWS

### Secretary - Article I

It shall be the duty of the Secretary to keep the Constitution and Bylaws of this Club and have the same available at every meeting. This person shall cause all amendments, changes, and additions to be noted thereon and shall permit the same to be consulted by members upon request.

### Meetings - Article II

Regular meetings shall be held on the second Friday of each calendar month at such place as the President shall order. Special meetings may be called by the President upon the written request of any five Club members. Notices shall be sent to the members concerning special meetings and the business to be transacted. Such notices shall be sent so that in the ordinary postal delivery they arrive not less than 24 hours before the meeting time.

### Dues - Article III

A regular yearly assessment is hereby levied in accordance with the provisions of Article VI of the Constitution for the purpose of providing funds for current expenses. It shall be paid as of January 1 of each year.

Section 1. Members, as defined under Article III, Sections 1 and 2, shall pay \$12.00 per year. Members joining after the beginning of the operating year shall be assessed \$3.00 per quarter but no assessment is paid for the quarter in which joining.

Section 2. Family membership, as defined under Article III, Section 3, shall be assessed \$15.00 per operating year. Those joining after the beginning of the year shall be assessed \$4.00 per quarter, but no assessment shall be made for the quarter in which joining.

### Committees - Article IV

Section 1: Program. These duties are encompassed under the duties of the First Vice President as provided under Article V, Section 2 of the Constitution.

Section 2: Hospitality. Duties assigned to the Second Vice President under Article V, Section 3.

Section 3: Membership. Incorporated under the duties of the Third Vice President as defined in Article V, Section 4.



**Section 4: Club Station.** This Committee shall ensure that the Club stations are operational at all times and that adequate personnel have been trained and assigned. Training shall include "hands-on" experience to ensure that operators can competently operate the station to which assigned. The Committee shall prepare a schedule of assigned operators in case of need.

**Section 5: Public Service.** Provide necessary training, billet assignments, participating in countywide emergency drills, etc. Also, it shall coordinate the amateur radio services with those of other emergency groups, fire departments, law enforcement agencies, hospitals, etc. It shall work closely with the Club Station and Field Day Committees to ensure that the Club Station is operable for emergencies and that Field Day training is consistent with emergency needs.

**Section 6: Publicity.** Responsibility for generating a favorable public image of amateur radio through news releases, historical accounts of the Club, community activities, Club publications, etc.

**Section 7: Education.** Purpose is to stimulate interest in amateur radio and provide facilities and instruction for interested students. It shall also arrange for A.R.R.L. Volunteer Examinations for those qualified to take the initial test or to upgrade. It shall maintain a technical library where members may seek literature regarding operating and technical problems.

**Section 8: Field Day.** The duties of the Field Day Committee shall include advance planning for Field Day to assure that a site has been obtained for the day. In addition, it shall plan for site preparation, arrange for emergency power, operating stations, issue instructions for scoring procedures, and other such matters necessary to ensure a successful Field Day.

**Section 9: Legal, Finance, and Organization:** This Committee shall anticipate legal requirements to minimize liability. It shall investigate tax-exempt status for the benefit of the Club. It shall prepare estimates of fund requirements and coordinate with the Fund-Raising Committee in order to provide the necessary operating funds. It shall oversee that the Constitution and Bylaws are consistent with the Club operating practices and recommend changes.

**Section 10: History.** Duties of the History Committee are to gather memorabilia on past records of EBARC to record data of founding, operation, and transitional aspects. The Committee shall make reports to the membership as to its accomplishments, either orally or via The Blown Fuse. All material gathered in the process will be appropriately catalogued for preservation.

**Section 11: Station Trustee.** Shall assume responsibility for proper operation of stations within F.C.C. requirements. Trustee shall take steps to rectify any deviation from established, accepted operating procedures and conduct.

**Section 12: Awards and Good of the Order.** Keep abreast of the Club activities and performance and to the extent needed, make or propose suggested changes. During such observations, be alert to outstanding performance of individuals to merit year-end awards.

**Section 13.** The President shall appoint such other committees as are deemed necessary to carry out the Club objectives.

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The EAST BAY AMATEUR RADIO CLUB is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

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#### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, BLOWN FUSE Editor	526-5743
John Percival (WI6Q) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P) Constitution Revision Chairwoman	653-1650
Don Dunn (K6BJJ) Historian	526-1736
Carl Eastman (KA6OLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	233-0301
Don Simon (NI6A)	237-1381
Don Stiver (N6EEG) Club Station Chairman	233-5846
Dave Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

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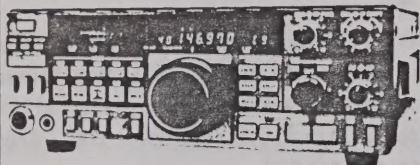


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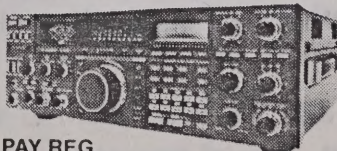


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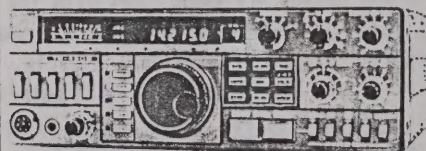


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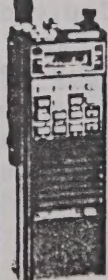
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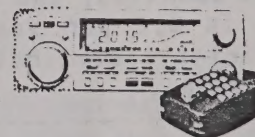
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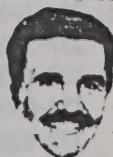
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Dec 31 86  
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## COMING EVENTS

FEB 14	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: EBARC Constitution
MAR 14	8:00 pm	EAST BAY A.R.C. MEETING

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## CONSTITUTION TO BE VOTED UPON AT FEBRUARY 14 EBARC MEETING

The long-awaited East Bay Amateur Radio Club Constitution and Bylaws will come before the general membership for revision and/or approval at the February 14th meeting, according to President Bob Wheeler (KF6PD). The first draft of the Club documents, printed in the January issue of THE BLOWN FUSE, underwent a number of changes during the three-hour meeting of the EBARC Executive Board January 6. Most of the changes involved duties of officers and committee chairmen, as well as dues structure. The second draft which resulted is carried on pages four through seven of this issue.

All Club members are encouraged to read the document carefully and note any section to which clarification or revision should be made. Furthermore, all members are strongly urged to attend the upcoming meeting and make themselves heard. It is true that, for many people, meeting of this type are not "fun". However, this bit of unfinished business will put to rest many of the annoying petty controversies which have cropped up at past meetings. If for no other reason, the upcoming meeting will be one of the most important in our Club's 39-year history, and deserves maximum attendance!

### CHECK YOUR MAILING LABEL!

Mailing labels for THE BLOWN FUSE now include the date until which your membership is paid. It is hoped that your label includes "Dec 31 86". If, on the other hand, it reads "Dec 31 85", your membership has expired, and this is the last issue you will receive. Also, check for any errors in your name, callsign, address, etc. Next month's issue will include the list of EBARC members for 1986.

Incidentally, this month's BLOWN FUSE was mailed earlier than usual, in order to comply with a provision of the new Constitution and Bylaws which states that any proposed change to Club documents be mailed to members at least 10 days prior to the meeting wherein it will be voted upon. Please note that the deadline for articles to be included in the March issue is Saturday, March 1. In order to ensure that members receive their copies 5-7 days prior to the meeting, articles must be submitted so that I receive them no later than two weeks before an upcoming meeting.

### EBARC Mourns Passing of Clyde Brown

Clyde (Brownie) Brown (WA6PKF), for many years a member of the East Bay Amateur Radio Club, passed away on Sunday, January 12, after a brief illness. Services were held January 15. Brownie had many friends in the EBARC, as well as the ham community in general, and will be greatly missed..... On a happier note, Joe Lee (WB6DOB) reports that the Club jackets are ready, and may be picked up at any time from Merry Jax Sporting Goods in Richmond..... EBARC Treasurer Gordy Parsons (NU6W) has told THE BLOWN FUSE that liability insurance premiums have increased threefold! The EBARC has carried \$1 million in liability coverage for several years, at an annual cost of \$100 or less. This year's premium is \$296! (The increase amounts to more than \$3 per member per year.)

### HAM RADIO OUTLET CELEBRATES OAKLAND MOVE WITH GRAND OPENING

Ham Radio Outlet has moved its Oakland store from Telegraph Avenue to 2210 Livingston Street near the Brooklyn Basin. The new phone number is (415) 534-5757. HRO began moving its operation during January, and capped the move with a highly-successful Grand Opening/ICOM Day on Saturday, February 1. There were over 100 people crowded into the store when I arrived at 1:30. However, I was told that the crowd was considerably smaller than what it had been during the morning!

From the North, take the Nimitz Fwy south to 16th Ave exit, left on Embarcadero to Livingston St, left to 2210. From the South, take the Nimitz north to 5th Ave exit, under freeway and left on Embarcadero, left on Livingston, left to 2210. HRO is situated in a new commercial-retail complex with other electronics firms and marine products, near the marina, quality restaurants, and specialty shops. Check it out if you haven't yet!

Incidentally, HRO has full-time sales positions available in its Burlingame and Oakland stores. Applicants may contact those stores or HRO offices in Orinda.



## TREASURER'S REPORT - DECEMBER 1985

### Member Income:

Membership Renewals: WD6DLR, WZ6ZFU, N6JNK,  
KA6NQJ, N6EEG, K6HVU, WD6AKC, W6CGD,  
N6FT, N6MNL, Rae Lewellen (no call) \$132.00  
A.R.R.L. Memberships: Joe Lee (WB6DOB) 2 yrs 47.00  
Coffee Kitty 3.00  
Station Fund 7.00  
Total December Income: \$189.00

### December Expenses:

Award Certificates printing - WB6DOB \$ 84.59  
Blown Fuse printing 42.60  
Blown Fuse postage 19.80  
A.R.R.L. Memberships 45.00  
Total December Expenses: \$191.99

### Central Bank Accounts - January 10, 1986

Savings (Station Fund) \$512.47  
Checking (General Fund) \$850.40

Welcome to Rachel Lewellen who joins the Club for the first time, although she has been a familiar face at Field Days for years. Thank you, Joe Lee, for renewing your membership in the A.R.R.L. through the EBARC. We get a \$2 commission for Club members who join or renew their membership in the American Radio Relay League.

Remember to feed the Kitty!  
Gordon Parsons (NU6W)  
Treasurer

## GENERAL MEETING MINUTES December 13, 1985

The regular meeting of the East Bay Amateur Radio Club was called to order at 8:10 pm by President Ed Arnold (K6AGD).

Guests: Marty Goodman and Reid Neuwirth (KB6JDY).

Upgrades: Rachel Lewellen has passed the Novice license exam. Dick Croke (KB6JEC) has upgraded from Novice to General.

Secretary and Treasurer: Minutes for the October and November meetings and the Treasurer's report for November were accepted as printed in The Blown Fuse. It was reported that the President had received a draft of a proposed Constitution from Betty Baldo (KB6P). The draft

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### MINUTES (Continued)

will be submitted to the Executive Board for review prior to the January general meeting.

Emergency Service: Dave Tyler (N6DRT) said that he can sign up people for County OES RACES. Dave also described a State OES plan to set up "Communication Strike Teams" of 3 amateurs each to provide emergency help statewide. The West Contra Costa County emergency net will become more active after the first of the year.

Awards: The following year-end awards were presented: Club Service Awards by Ed Arnold (K6AGD), Emergency Service Awards by Dave Tyler (N6DRT), Club CW Net Awards by Doug Cain (N6JNK), Club SSB Net Awards by Al Streit (KG6HF), Public Service Awards by Don Simon (NI6A), and Outstanding Members Awards by Joe Lee (WB6DOB).

The installation of new officers for 1986 followed with Ed Arnold (K6AGD) passing the gavel to new President Bob Wheeler (KF6PD). The meeting was adjourned at 9:05pm for the Christmas Party.

John Percival (WI6O), Secretary



(Editor's Note: The following draft of the proposed EBARC Constitution and Bylaws was approved by the Executive Board January 6, 1986. Members are asked to review it carefully, as final adoption will be voted upon during the February 14 general membership meeting.)

## EAST BAY AMATEUR RADIO CLUB CONSTITUTION AND BYLAWS

### CONSTITUTION

#### Name - Article I

The name of this organization shall be the East Bay Amateur Radio Club, which hereafter shall be known as the "Club."

#### Purpose - Article II

Section 1. The members of the Club, wishing to secure for themselves the pleasures and benefits of the association of persons commonly interested in amateur radio, enact this constitution as the governing law. It shall be our purpose to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism, and individual operating knowledge, and to so conduct Club programs and activities as to advance the general interest and welfare of amateur radio in the community.

Section 2. In addition, the Club's purpose is to stimulate interest in amateur radio by conducting classes, informative meetings, seminars, Field Day operations, Club net activities, emergency preparedness activities, etc., in order to promote our hobby and provide competent radio communication to the public in time of disaster or emergency and for community sponsored events.

#### Membership - Article III

All persons interested in amateur radio communications shall be eligible for membership. Membership shall be by written application and payment of dues to the Treasurer. All memberships expire December 31 of each year. There shall be three types of membership:

Section 1. Those members holding a valid amateur radio license shall be entitled to all privileges of the Club.

Section 2. Those members not holding a valid amateur radio license shall be entitled to all the privileges, including the right of discussion, but not the right to vote or hold office.

Section 3. Family membership is available to a family whether any member is licensed or not; however, only licensed members have the right to vote or hold office. Family membership entitles the members to only one copy of any correspondence and one copy of each issue of the newsletter.

#### Officers - Article IV

Section 1. The officers of the Club shall be President, 1st Vice President, 2nd Vice President, 3rd Vice President, Secretary, and Treasurer.

Section 2: The President shall appoint a Nominating Committee by September 1, which shall present a slate of officers at the October meeting. Prior to elections in November, the President will call for nominations from the floor. Only members with full voting rights shall be eligible for nomination to office. No member of the Committee shall be exempt from nomination for office either by the Committee itself or from the floor at the appropriate time. Before a name can be placed in nomination, the consent of the nominee must be obtained.

Section 3. The officers of this Club shall be elected for a term of one year by ballot of the members present, provided there is a quorum. Nominations and elections will be made in November, and the installation will be held at the December meeting.

Section 4. Vacancies occurring between elections must be filled by special elections. Such vacancies will be announced by written notices mailed not less than 10 days before the next following regular meeting.

Section 5. Officers may be removed by a 2/3 vote of the members present. Intent to remove an officer will be announced by written notice mailed not less than 10 days before the next following regular meeting.

Section 6. An Executive Committee shall be made up of the officers, committee chairmen, and up to four members-at-large appointed by the President. All meetings of the Executive Committee shall be open to any Club members, who will have a voice but not a vote in the proceedings. The President shall act as Committee Chairman.



## Duties of Officers - Article V

Section 1. The President shall preside at all meetings of the Club and conduct the same according to the rules adopted. He shall enforce due observance of the Constitution and Bylaws; decide all questions of order; sign all official documents that are adopted by the Club; appoint all Committee Chairmen and up to four members-at-large to the Executive Committee; preside at all meetings of the Executive Committee; and perform all other customary duties pertaining to the office of President. At the expiration of his term, he shall deliver all items and documents pertaining/belonging to the Club, including a pertinent job description, to his successor.

Section 2. The 1st Vice President shall assume responsibility as Chairman of the Program Committee. In such capacity, he shall plan in advance for the year's programs, contact speakers, arrange for any equipment needed by speakers, and make all necessary arrangements for meaningful programs. In the absence of the President, he shall assume the duties of the latter. At the expiration of his term of office, he shall deliver all items and documents accumulated during his tenure pertaining/belonging to the Club, including a pertinent job description, to his successor.

Section 3. The 2nd Vice President shall assume the duties of the Hospitality Committee Chairman, ensuring adequate meeting room facilities and refreshments following the meeting. In the absence of the 1st Vice President, he shall assume such duties as may apply to the 1st Vice President. Upon leaving office, he/she shall turn over all records and materials belonging to the Club, including a pertinent job description, to his successor.

Section 4. The 3rd Vice President shall assume duties of the Membership Committee Chairman. His duties include attracting new members to the Club through personal contacts, publicity, etc., and receiving membership applications. At meetings, the Third Vice President shall see that all new members and visitors are appropriately introduced and welcomed. All upgrades and new licensees shall be adequately acknowledged. In the absence of the 2nd Vice President, he shall assume the latter's duties. Upon leaving, he shall turn over to his successor such records and materials that he may have accumulated during his term of office, including a pertinent job description.

Section 5. The Secretary shall keep a record of the proceedings of all meetings, keep a roll of members, carry on correspondence, read communications at each meeting, and ensure that written meeting notices are mailed to each member. He shall at the expiration of his term turn over all items pertaining or belonging to the Club, including a pertinent job description, to his successor.

Section 6. The Treasurer shall receive and receipt for all monies paid to the Club. He shall keep an accurate account of all monies received and expended. He shall pay no bills without proper authorization, and shall submit an itemized statement of disbursements and receipts. He shall at the expiration of his term turn over everything in his possession pertaining or belonging to the Club, including a pertinent job description, to his successor.

Section 7. The Executive Committee, as provided in Article IV, Section 6, shall conduct the routine business of the Club.

## Meetings - Article VI

Section 1. The Bylaws provide for regular and special meetings. At such meetings, a minimum of one-fifth of the voting membership shall constitute a quorum for the transaction of business.

Section 2. The Executive Committee shall meet at such time as the President deems it necessary. The Chairman shall ensure that all members are notified of meetings. A minimum of 1/2 of the Executive Committee members shall constitute a quorum.

## Dues - Article VII

Section 1. The Club, by a majority of those present at any regular meeting, may levy upon the general membership such dues or assessments as shall be deemed necessary to conduct the business of the organization within its objectives as set forth in Article II. Non-payment of such dues or assessments shall be cause for expulsion from the Club within the discretion of the membership.

## Assistance to Membership - Article VIII

Section 1. This Club may enact appropriate rules to minimize interference in operation between stations of its members. It may formulate adequate plans for disposition of any cases of interference to other radio services where reported as caused by any amateur station operation in the area of Club jurisdiction. The Club through designated committees can provide technical advice to members concerning equipment design and operation to assist in frequency observance, clean signals, uniform practice, and absence of spurious radiations from Club's member-stations. The Club may also maintain a program to foster and guide public relations.



## Amendments - Article IX

This Constitution or the Bylaws may be amended by a two-thirds vote of the members present. Proposals for amendments shall be submitted in writing at a regular meeting and shall be voted upon at the next following regular meeting, provided all members have been notified of the intent to amend the Constitution and/or Bylaws at said meeting through written notification mailed not less than 10 days before the meeting.

## Dissolution - Article X

Upon dissolution of the Club, no assets or records shall enure to the benefits of any member, but instead all such assets and records shall be transferred to a group which qualifies for tax-exempt status under Section 501(c) of the Internal Revenue Code.

## Rules - Article XI

Robert's Rules of Order shall govern proceedings when the Constitution and related Bylaws are inadequate.

## **BYLAWS**

### Secretary - Article I

It shall be the duty of the Secretary to keep the Constitution and Bylaws of this Club and have the same available at every meeting. This person shall cause all amendments, changes, and additions to be noted thereon and shall permit the same to be consulted by members upon request.

### Meetings - Article II

Regular meetings shall be held on the second Friday of each calendar month at such place as the President shall order. Special meetings may be called by the President upon the written request of any five Club members. Notices shall be sent to the members concerning special meetings and the business to be transacted. Such notices shall be mailed not less than ten days before the meeting time.

### Dues - Article III

A regular yearly assessment is hereby levied in accordance with the provisions of Article VII of the Constitution for the purpose of providing funds for current expenses. It shall be paid as of January 1 of each year.

Section 1. Members, as defined under Article III, Sections 1 and 2, of the Constitution shall pay \$12 per year. New members joining after the beginning of the operating year shall be assessed \$3 per quarter, including the quarter in which joining.

Section 2. Family membership, as defined under Article III, Section 3, of the Constitution shall be assessed \$15 per operating year. Those joining after the beginning of the year shall be assessed \$3.75 per quarter, including the quarter in which joining.

### Committees - Article IV

Section 1: General. Each Committee Chairman at the conclusion of his term of office shall deliver all items and documents he has accumulated during this period, including a job description, to his successor.

Section 2: Program. These duties are encompassed under the duties of the 1st Vice President as provided under Article V, Section 2, of the Constitution.

Section 3: Hospitality. Duties assigned to the 2nd Vice President under Article V, Section 3, of the Constitution.

Section 4: Membership. Incorporated under the duties of the 3rd Vice President as defined in Article V, Section 4, of the Constitution.

Section 5: Club Station. This Committee shall ensure that the Club stations are operational at all times and that adequate personnel have been trained and assigned. Training shall include "hands-on" experience to ensure that operators can competently operate the station to which assigned. The Committee shall prepare a schedule of assigned operators in case of need.



Section 6: Public Service. Provide necessary training, billet assignments, participating in countywide emergency drills, etc. Also, it shall coordinate the amateur radio services with those of other emergency groups, fire departments, law enforcement agencies, hospitals, etc. It shall work closely with the Club Station and Field Day Committees to ensure that the Club Station is operable for emergencies and that Field Day training is consistent with emergency needs.

Section 7: Publicity. Responsibility for generating a favorable public image of amateur radio through news releases, historical accounts of the Club, community activities, Club publications, etc.

Section 8: Education. Purpose is to stimulate interest in amateur radio and provide facilities and instruction for interested students. It shall also arrange for A.R.R.L. Volunteer Examinations for those qualified to take the initial test or to upgrade. It shall maintain a technical library where members may seek literature regarding operating and technical problems.

Section 9: Field Day. The duties of the Field Day Committee shall include advance planning for Field Day to assure that a site has been obtained for the day. In addition, it shall plan for site preparation, arrange for emergency power, operating stations, issue instructions for scoring procedures, and other such matters necessary to ensure a successful Field Day.

Section 10: History. Duties of the History Committee are to gather memorabilia on past records of EBARC to record data of founding, operation, and transitional aspects. The Committee shall make reports to the membership as to its accomplishments, either orally or via The Blown Fuse. All material gathered in the process will be appropriately catalogued for preservation.

Section 11: Station Trustee. Shall assume responsibility for proper operation of Club stations within F.C.C. requirements. Trustee shall take steps to rectify any deviation from established, accepted operating procedures and conduct.

Section 12: Radio Interference. Amateur radio is fraught with interference of various types such as RFI, TVI, malicious interference, and interference from power lines. This Committee will attempt to ensure that the amateur radio spectrum is devoid of such interference by making every effort to identify the guilty party and report same to proper authorities. In the event amateur operators are the source of interference, they will be assisted to ensure clean signals.

Section 13: Fund Raising. As a Club embarks on various projects, there is a need for funds. In providing such finds, this Committee will consider any appropriate steps, such as auctions, raffles, and donations by members and friends. The Club Treasurer will serve as Chairman of this Committee.

Section 14: Digital Communications. It is the hope of this committee to inform Club members of Digital Communication in amateur radio and provide Digital Communication to the extent feasible. It shall maintain that aspect of the Club station and encourage Digital projects. It shall provide the necessary technical information for Club members and encourage participation in such activities.

Section 15: Publications. This Committee shall be responsible for publishing the Club newsletter, "The Blown Fuse", on a monthly basis. Said publication shall include all information regarding Club activities and other items of importance to amateur radio, including public service and training in the event of emergency. The Chairman of the Committee will be the Editor of The Blown Fuse.

Section 16: Awards and Good of the Order. Keep abreast of the Club activities and performance and to the extent needed, make or propose suggested changes. During such observations, be alert to outstanding performance of individuals to merit year-end awards.

Section 17. The President shall appoint such other Committees as are deemed necessary to carry out the Club objectives.

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## 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IHW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, BLOWN FUSE Editor	526-5743
John Percival (WI6D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P) Constitution Revision Chairwoman	653-1650
Don Dunn (K6BJJ) Historian	526-1736
Carl Eastman (KA6DLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFY)	233-0301
Don Simon (NI6A)	237-1381
Don Stiver (N6EEG) Club Station Chairman	233-5846
Dave Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197



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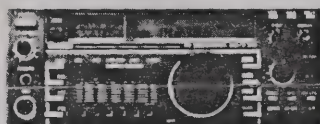
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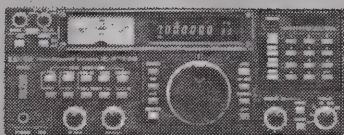
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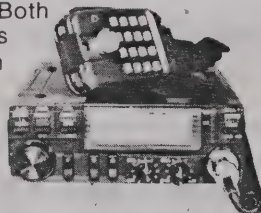
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5 miles south on 101 from SFO

**NEW OAKLAND, CA 94606**  
2210 Livingston St.,  
(415) 534-5757: Don, Mgr. N6IPE  
Hwy. 17 to 23rd Ave. Exit

**SAN DIEGO, CA 92123**  
5375 Kearny Villa Rd.,  
(619) 560-4900: Glenn, Mgr. K6NA  
Hwy. 163 & Claremont Mesa Blvd

**PHOENIX, AZ 85015**  
1702 W. Camelback Rd.  
(602) 242-3515: Bob, K7RDH  
East of Hwy. 17

**VAN NUYS, CA 91401**  
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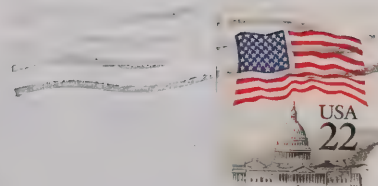
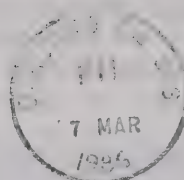
**EAST BAY AMATEUR RADIO CLUB**

**W6CUS**

# THE BLOWN FUSE



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## **COMING EVENTS**

MAR 14	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Speaker: Leanna Wolfe
		Topic: "Wireless" Video Film
		Presentation
APR 11	8:00 pm	EAST BAY A.R.C. MEETING

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second  
Friday of each month at the Salvation Army Church, 1110 36th St. (at  
Rheem Ave.), Richmond, CA**



## PACKET RADIO STATION THREATENED, MAY CLOSE

A stunned gathering of the East Bay Amateur Radio Club listened while Digital Communications Chairman Rich Fish (N6IIW) and Board Member Don Simon (NI6A) explained that FCC Report and Order in PR Docket 85-105, slated to take effect March 14, 1986, contain rule changes that could mean the closure of the highly-successful Packet Radio Mailbox at the WA6JSO Memorial Station, as well as severely damaging the development of packet radio in general.

As most hams are aware, packet radio is widely considered to be the "perfect marriage" of amateur radio and computers. By connecting a self-contained software package known as a terminal node controller (TNC) between a computer terminal and a transmitter, the amateur operator is able to send digital communication to another amateur with a similar set-up. The communication is sent in bursts, or "packets," which have the added protection against transmitting errors caused by atmospheric conditions (a so-called "error-free" system).

Although many "packeteers" use their systems as they would phone or CW for simple rag-chewing, most users have come to realize that the unique value of packet is its adaptation to emergency communications. Virtually all packet TNCs have the capability to be used as "digipeaters." This means that, properly set up, the TNC can be used to forward messages, or packets, from one station to another via the TNC. Thus, a station in San Bruno could communicate with another in Brentwood via a digipeater-TNC located in the Berkeley Hills. Furthermore, by connecting the TNC to appropriate computer hardware, a mailbox may be set up such that two remote stations could communicate with each other without having to be on the air at the same time: one station could leave a message for the other in the "mailbox."

In order to make this whole system feasible, packet operators have sought clarification of the rules regarding automatic control of amateur radio stations. It would be difficult, if not impossible, for the evolving packet system to continue if the digipeater owner were required to be physically present at all times while the digipeater was operational. Thus, rule changes were sought to allow automatic control of digipeaters above 50 MHz.

PR Docket 85-105 purports to do just that. However, it specifically prohibits third-party traffic while under automatic control. Third-party traffic is defined in Section 97.3(v) as "amateur radio communication by or under the supervision of the control operator at an amateur radio station to another amateur radio station on behalf of anyone other than the control operator." This has been interpreted to mean that when two stations communicate through a digipeater, third-party traffic is taking place, and the control operator (digipeater owner) must be present! This would also preclude the use of digipeaters for National Traffic System messages.

On top of this, the adaptation of packet radio to HF (40- and 20-meter bands) through so-called "gateways" is under attack, since it has been construed to be an effort to circumvent the prohibition against third-party traffic with most foreign countries. Already, a packet station in Florida has received a citation for passing third-party traffic through an HF gateway. This is what led to the decision by W6CUS Trustee Joe Lee (WB6DOB) to withdraw the use of the Club callsign by the packet station (see related article, Page 3).

Why has all this come about? On the surface, it all seems to be a misunderstanding. The February 13 issue of the ARRL Letter peddles this line, and states "the ARRL is in the process of seeking reconsideration, as promised." Other amateurs not connected with the ARRL feel something more sinister is afloat. They point to last year's defeat (thanks, in part, to the efforts of amateur radio operators) of the cellular telephone industry's attempted ban on 800-MHz scanning devices, and the rumored vow of revenge by that industry. According to this scenario, commercial interests are lobbying behind the scenes to restrict severely the activities of all amateur (i.e., non-commercial) interests. If this observation is true, it would stand to reason that the expansion of ham radio privileges via packet would be fought on principle by commercial interests.

Whatever the reason for this action, hams are beginning to fight back. Accordingly, the EBARC authorized the filing of a statement opposing PR Docket 85-105. The statement, written by Rich Fish on behalf of the Club, is reproduced on Page 4.



## Volunteers Needed

### W6CUS-1 BECOMES NI6A-1

by Don Simon (NI6A)

After many months of faithful service, W6CUS-1 has been relieved by NI6A-1. Only the callsign has been changed at the request of the Club Trustee who was leery of the new FCC 85-105 rule. This rulemaking, if strictly interpreted, might well spell the end of packet mailboxes and digipeaters in practical and legal terms.

Due to the recent FCC rulemaking, certain things regarding mailbox operation seem clear. We will need a control operator monitoring at a control point when we are handling third party traffic and when the HF port is active. Although we feel that this added burden is a prime example of over-regulation and needless overhead, we will have to comply or shut down operations. Although there is disagreement over what really constitutes third party traffic within the FCC strict definitions, National Traffic System traffic, public service activities, emergency and preparedness drill traffic, and traffic for agencies such as the National Weather Service Skywarn Program, State Office of Emergency Services RACES communications, and Red Cross traffic are all third party traffic and cannot be handled unless there is a declaration of a State of Emergency or unless a control operator is present. Since the mailbox was primarily created to provide public service, NTS, and disaster communications, we are soliciting volunteers from the amateur community to act as control operators for the mailbox.

NI6A-1 has a 440 control link installed at the WA6JSO Memorial Station which can be accessed directly on a frequency between 440 and 450 MHz and/or via a 440-MHz FM repeater located near WD6CMU-1 in the Berkeley Hills. Therefore, we are looking for licensed amateurs who have 440 MHz equipment and touchtone pads willing to work two-hour shifts or longer at least once a week.

We are also looking for control operators who can listen on the HF port of 7093 kHz with packet and possess the above 440 MHz touchtone dialing ability. The job on HF would be the same. We will turn the gateway function off (but not the port) unless we have a licensed general class or better control operator present. If we do not fill the gaps, we may decide to close the operation down completely. Any help is better than none at all.

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## MEETING NOTICE

VIDEO FILM PRESENTATION - "WIRELESS"

by Rich Fish (N6IIW)

Our guest speaker for Friday, March 14, is Leanna Wolfe, a video film producer from Anthropology Visualized in Berkeley. Leanna is the daughter of Irv Wolfe (W6HHN) of Palo Alto, and has produced a half-hour video film entitled "Wireless" which interviews her father about his early days as a commercial shipboard radio operator and his lifelong hobby of amateur radio. Excellent scenes with Len Lansdowne from the Foothill Electronics Museum also provide details of early wireless history and techniques. Leanna's production offers a family member's unique personal insight into an active ham's pastime, and she will be present to introduce the film and to answer any questions you have.



## PETITION FOR RECONSIDERATION

### Identity of Petitioner

The Petitioner is the East Bay Amateur Radio Club of Richmond, California, an organization of 70 members, affiliated with the American Radio Relay League. At the Club's monthly meeting of February 14th, 1986, the members present voted unanimously to petition the Commission to reconsider its Rule Making No. 4879 in the matter of automatic control of amateur radio stations. The East Bay Amateur Radio Club (hereinafter called EBARC), through its Digital Communications Committee, in conjunction with the East Bay Packet Radio Association, has operated the Packet Switched Bulletin Board Station W6CUS-1 since April, 1985, at the Richmond Red Cross Building.

### ABSTRACT

In the matter of FCC Ruling RM-4879 regarding Docket No. 85-105, EBARC petitions the Commission to reconsider at this time and cancel implementation pending a detailed review of the innovative value and unique characteristics of amateur radio operator communications using packet switching stations operating under automatic control (digital computer stored program control for message store and forward).

If implemented now, this rule would severely limit the development of packet switching networking in the amateur service by placing unnecessarily stringent control operator burdens on packet switching systems and mailboxes operating on frequencies below 50 MHz and while handling third-party traffic. Such restrictions would vitiate the amateur packet network as it has developed to date, and we feel are not in keeping with the Commission's Rule (Part 97.1 b & c) whereby new technologies and skills are advanced through the efforts of the amateur community.

### Third-Party Traffic Restrictions Under Automatic Control

The present rule making has added Part 97.80(b) to the Commission's Rules as follows:

"No amateur station may be operated under automatic control while transmitting third-party traffic."

Third-party traffic is defined in Part 97.3(v) as "Amateur radio communication by or under the supervision of the control operator at an amateur radio station on behalf of anyone other than the control operator."

Part 97.80(b) imposes severe restrictions on packet station bulletin boards and digipeaters. When a packet message is sent from one amateur station to another via a digipeater (in real time) or via a bulletin board (as message store and forward), this is an example of third-party traffic from the point of view of the bulletin board or digipeater control operator. Hence Part 97.80(b) requires a control operator to supervise transmissions under real time control; this is impractical for 24-hour operation, and will lead to sporadic and undependable operation of packet bulletin boards and digipeaters. The backbone of a reliable and full-time amateur nationwide packet switching network will vanish and packet radio's valuable promise for efficient, error-free message handling in the National Traffic System and Amateur Emergency Communications Networks will diminish.

EBARC urges the Commission to reconsider Part 97.80(b) in the light of this rule's crippling effect on the functioning of packet station digipeaters and bulletin boards. We urge the Commission to stay this rule's implementation until such time that the Commission can appreciate the unique contribution of the automatically-controlled digipeaters and bulletin boards to the amateur packet switched network and can devise compatible third-party traffic rules.

### Automatic Control Operation Below 50 MHz

The previous section stresses the significance of automatic control of digital stations for a reliable and efficient amateur packet network. Such digipeating and bulletin board (mailbox) packet stations operate primarily on the amateur VHF/UHF bands. However, HF packet mailboxes are important, too, and possess a number of practical features which render them useful to form a foundation for a national amateur packet switched network.

(1) Packet systems permit multiple independent contacts on the same frequency, can operate at 300 baud on HF, and are much more spectrum efficient than slower CW, RTTY, or voice message transfer on SSB.



PETITION FOR RECONSIDERATION  
(Continued)

(2) Packet systems are programmed so that transmissions will not occur if the frequency is being utilized.

(3) Packet mailboxes can store and forward traffic to one another at times when the frequency loading is light.

(4) Packet systems can be programmed to respect third-party traffic agreements with foreign nations, and to restrict access to the packet mailboxes from amateurs having inappropriate call signs.

The above are only a few of the unique features of packet radio than can be useful for an automatically-controlled HF packet network. To prevent packet stations from operating under automatic control on the amateur HF bands would be to discourage their use at all on these bands (even under real-time control by the control operator) and thus to deny the amateur packet switched network its most viable means for widespread interconnection.

EBARC urges the Commission to reconsider Part 97.69(d), and to permit automatic control of packet stations on amateur HF bands.

SUMMARY

Amateur packet radio has been developed by a dedicated group of experimenters and has been advanced to such a degree that it is perhaps the most spectrum-efficient and reliable mode for amateur communications today. It has appealed to old and new amateur radio operators alike, and has encouraged all to become interested in new digital electronic technologies. As such, packet radio has certainly fulfilled the Commission's objectives as stated in Part 97.1 of its Rules - Basis and Purpose of the Amateur Radio Service.

EBARC feels, however, that RM-4879 has severely inhibited further advances for amateur packet radio, and in fact will even decimate the amateur packet switched network as it functions today. We urge the Commission not to implement RM-4879, and to study and propose new rules regarding third-party traffic and HF operation for automatically-controlled amateur radio stations.

BETTY BALDO THANKED FOR JOB WELL DONE!

East Bay Amateur Radio Club Executive Board member Betty Baldo (KB6P) was awarded a round of applause and offered well-deserved thanks for her efforts toward the drafting and adoption of the EBARC Constitution and Bylaws. Appointed last November to the position of Constitution Revision Chairwoman, Betty succeeded--- where others had not---in getting the Club off its collective duff and producing a real, workable Constitution and set of Bylaws. Final passage was secured at the February 14 meeting, where members present OKed the documents by a unanimous vote. The original documents, duly executed and acknowledged by EBARC President Bob Wheeler (KF6PD) are now in custody of Secretary John Percival (W16O).

TREASURER'S REPORT - JANUARY 1986

January Income:

New Members: Chester Luchessa (WN6P), Barry Jennings (N6KMK), Addison Lake (KB6ICE)	\$ 36.00
Family Memberships: Woody & Marcia Mertens (N6LFW), Don & Mildred Dunn (K6BJJ)	30.00
Membership Renewals: KB6P, AI6S, WA6OUO, KB6BYO, NU6W, WD6FTM, N6DIG, WA6ODB, KB6EJL, KA6WAG, WB6IBU, W6KNO	144.00
A.R.R.L. Renewals: Robert Dorsey (KA6WAG), Sue Ludemann (KA6SOC)	50.00
Check from Ham Radio Outlet	30.00
Check from The Base Station	9.00
ARRL Rebate	5.00
Coffee Kitty	3.89
Station Fund	6.35
Total January Income:	\$314.36

January Expenses:

Blown Fuse printing	\$ 38.87
Blown Fuse postage	19.36
Refreshments	13.10
Albert Wohlers Co. (Liability Insurance)	258.50
Plastic Badge Engravings	4.79
A.R.R.L. Memberships	46.00
Total January Expenses:	\$380.62

Central Bank Accounts - February 12, 1986

Savings (Station Fund)	\$ 527.55
Checking (General Fund)	777.79
Total	\$1,305.34

Remember to feed the Kitty!  
Gordon Parsons (NU6W)  
Treasurer



## DAVE TYLER (N6DRT) PRODS EBARC: LET'S INCORPORATE NOW!

Pursuant to congratulating the East Bay Amateur Radio Club for ratifying its new Constitution and Bylaws, Public Service Chairman Dave Tyler (N6FRT) urged the Club to maintain its new-found momentum by attending to business "also long overdue": taking the steps toward becoming a non-profit corporation. His call was supported by those who cited instances where members of unincorporated organizations, bearing personal liability for club negligence, suffered adverse financial consequences, and who told of savings on liability insurance premiums by virtue of being incorporated. As a result, Al Streit (KG6HF) was asked by President Bob Wheeler (KF6PD) to examine the matter and report to the membership. This article reports on these findings.

The first thing to be aware of is that incorporation and tax-exempt status are not the same thing. You do not have to incorporate to be granted tax-exempt status. Also, merely calling your club a non-profit corporation does not mean it will be tax-exempt.

Incorporation is done at the State level only. The Club would need to draw a set of "Articles of Incorporation," approve them, and file them with the Secretary of State. The Secretary's fee for filing is \$20. It is a good idea to get certified copies of the Articles for future use. The Secretary will certify 2 copies at \$3 apiece.

All corporations (unless tax-exempt) must pay a minimum tax of \$200 each year, even if they show a loss. Normally, a new corporation must pre-pay the minimum tax when filing its Articles. However, if the corporation is applying for tax-exempt status when filing, it does not have to pre-pay this tax. Therefore, it is imperative that we apply for tax-exempt status at the same time we file. The Franchise Tax Board collects a \$25 fee for processing the application for tax-exempt status. Therefore, the total cost for incorporating should be no more than \$51.

Because the Federal government does not assess a minimum tax on corporations, tax-exempt status is not as imperative at the Federal level. However, it costs nothing to apply for tax-exempt status, and may have real benefits later. By applying now, we spare ourselves the trouble of having to amend our Constitution later to conform to IRS regulations.

Fortunately, the categories under which organizations may qualify for tax-exempt status are virtually the same at the Federal and State levels. The EBARC could probably qualify under any one of the following categories:

- (1) Charitable, scientific, or educational organizations;
- (2) Civic league; or
- (3) Social or recreational club.

Of the above, the first category is the most desirable. These groups receive tax-exempt status under Section 501(c)(3) of the 1954 Internal Revenue Code. As such, any donations made to them may be tax-deductible by the donor. This would be a real boon to us in our fund-raising efforts. The other categories would exempt the EBARC from taxation, but provide no tax deductions for donors. Such groups receive their tax-exempt status from other paragraphs of Section 501(c).

Recently, Northern Alameda County ARES was granted tax-exempt status under Sec. 501(c)(3) as a charitable organization. Earlier, Yolo Amateur Radio Society (YARS) received tax-exempt status as a civic league under Sec. 501(c)(4). Therefore, there is no "rule" as to which category ham radio falls under.

Qualifying for tax-exempt status as a charitable organization at the Federal level does not qualify the group for the same status at the State level, and vice versa. Thus, it is important that the Club apply at both levels.

How do we begin the process? First, the Constitution should be amended to provide for incorporation and to change our Club's name, say, to "East Bay Amateur Radio Club, Inc."

Second, let's decide which type of tax-exempt organization we wish to qualify as, then amend Article II, Section 1 such that our stated purpose more closely identifies us as one.

Third, let's approve spending the necessary money to achieve what we want and, fourth, appoint a committee to fill out the right forms and get the job done. I recommend a three-man committee consisting of the President, Treasurer, and 3rd Vice President, chaired by the latter.



The **EAST BAY AMATEUR RADIO CLUB** is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

The East Bay Amateur Radio Club maintains two Club Stations: The W6EJA Memorial Station is located at the Salvation Army Chapel, 1110 36th Street, Richmond. The WA6JSO Memorial Station is located at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (WI6D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P)	653-1650
Don Dunn (K6BJJ) Historian	526-1736
Carl Eastman (KA6OLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	233-0301
Sherrick Slattery (KA6NZB) Radio Interference Chairman	893-4008
Don Simon (NI6A)	237-1381
Don Stiver (N6EEG) Club Station Chairman	233-5846
Dave Tyler (N6DRT) Public Service Chairman	525-6200
Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

NET	NET CONTROL	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	Doug Cain (N6JNK)	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	Al Streit (KG6HF)	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	(Rotates)	Thurs	1900	145.110
Northern Alameda County ARES Net	(Rotates)	Thurs	1915	147.540
Contra Costa Communications Club Net	Joe Peoples (NG6C)	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Tony Slattery (KA6NZB)	Thurs	1930	146.880
"Over the Hill Gang" Breakfast/Commute Net	Jack Whittock (KA6NQJ)	Mon-Fri	0710	145.110
Northern California Net VHF Session	(Rotates)	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for April issue: Saturday, March 29. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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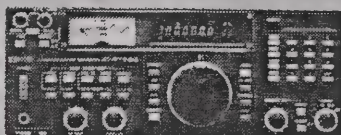
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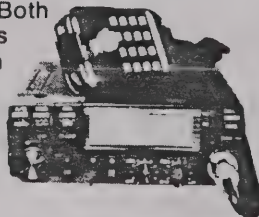
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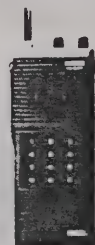
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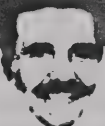
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(415) 342-5757: George, Mgr. WB6DSV  
5 miles south on 101 from SFO

**OAKLAND, CA 94606**  
2210 Livingston St.,  
(415) 534-5757: Don, Mgr. N6IPE  
Hwy. 17 to 23rd Ave. Exit

**SAN DIEGO, CA 92123**  
5375 Kearny Villa Rd.  
(619) 560-4900: Glenn, Mgr. K6NA  
Hwy. 163 & Claremont Mesa Blvd.

**PHOENIX, AZ 85015**  
1702 W. Camelback Rd.  
(602) 242-3515: Bob, K7RDH  
East of Hwy. 17

**VAN NUYS, CA 91401**  
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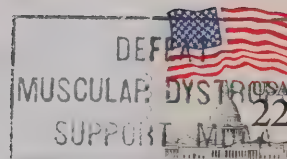
**EAST BAY AMATEUR RADIO CLUB**

**W6CUS**

# THE BLOWN FUSE



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## **COMING EVENTS**

APR 11	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING (Topic TBA)
APR 25	12 noon	Hamvention, Dayton OH
MAY 9	8:00 pm	EAST BAY A.R.C. MEETING
JUN 28		FIELD DAY 1986

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second  
Friday of each month at the Salvation Army Church, 1110 36th St. (at  
Rheem Ave.), Richmond, CA**



FCC OKs RETRANSMISSION OF 3RD PARTY  
MESSAGES ON PACKET RADIO ABOVE 50 MHz

(Newington CT, March 14)---Today the Federal Communications Commission released a waiver of the rules to permit retransmission of third-party traffic via packet radio under certain conditions in response to a Petition for Extraordinary Relief filed by the American Radio Relay League (ARRL). The following is the text of the waiver:

"(a) The provisions of Sections 97.80(b) and 97.114(b)(4) are waived to permit amateur stations, retransmitting digital packet radio communications (see Section 97.69) on frequencies 50 MHz and above, using the AX.25 (or compatible) protocol, to be operated under automatic control while retransmitting third-party traffic. See Section 97.3(v).

"(b) This waiver applies only to the retransmission of third-party traffic originated at another amateur station which is under local control or remote control. See Section 97.3(m).

"(c) When an amateur station is operated under automatic control, devices must be installed and procedures must be implemented which will ensure compliance with the rules when the control operator is not present at the control point of the amateur station. See Section 97.80(a).

"(d) This waiver will remain in effect until the Commission takes final action on the petitions for reconsideration filed in PR Docket No. 85-105."

The Waiver Order goes on to say:

"Control operators of amateur stations capable of monitoring AX.25 packet transmissions must be alert to the increased dependency upon them for monitoring during the period of this waiver. We call upon them to immediately make known to the responsible control operator of a station retransmitting communications under automatic control any misuse of the station so that the control operator can take prompt corrective action."

According to FCC officials, formal Commission action on the pending Petitions for Reconsideration is not scheduled until late summer.

E.B.A.R.C. CALLS FOR CHANGES TO  
CONSTITUTION, INCORPORATION

At the March meeting of the East Bay Amateur Radio Club, members present approved a motion creating an Incorporation Committee consisting of the President, 3rd Vice President, Treasurer, and Secretary, and called upon 3rd V.P. Al Streit (KG6HF) to present changes to the Club's Constitution and Bylaws he feels are necessary to achieve this end. The following proposed amendments are presented in accordance with Constitutional procedure. (This edition of THE BLOWN FUSE was mailed on or before April 1.)

Amendment to Constitution

Article I shall be amended to read:

The name of this organization shall be East Bay Amateur Radio Club, Inc., which hereafter shall be known as the "Club".

Amendment to Constitution

Article II, Section 2 shall be stricken, and the following inserted in its place:

Section 2. The Club's purpose shall be to operate a non-profit organization for educational, scientific and public service purposes as follows:

(a) To organize and train units of licensed radio amateurs capable of maintaining radio communications as a public service during periods of emergency, disaster, or similar human need for agencies such as the Red Cross, government agencies, hospitals, blood banks, the Forest Service, and other public service, relief, or disaster agencies in need of radio communications.

(b) To encourage and sponsor experimental activities in radio communication and electronics, such that skills and experienced gained in amateur radio will further the application of electronics to the benefit of the public at large.

(c) To provide, as a public service, communications for charitable, civic, health, and community groups and agencies for such events as parades, marathons, bike-a-thons, walk-a-thons, fairs, and other such events.

(d) To educate and increase the proficiency of its members in public service radio communications.

To assist in carrying out these principles and primary purposes, the Club maintains an active affiliation with the American Radio Relay League, Inc., 225 Main Street, Newington CT 06111, the national non-profit organization of radio amateurs.



## TREASURER'S REPORT - FEBRUARY 1986

### February Income:

New Members: Corwin Roberts (WI6L), Charles Fine	\$ 24.00
Membership Renewals: WB6QKS, KA6KZT, K6HYS, K3MHD	144.00
Auction Sales	63.75
Coffee Kitty	9.00
Station Fund	7.41
Total February Income:	\$152.16

### February Expenses:

Blown Fuse printing	\$ 42.39
Blown Fuse postage	19.80
Refreshments	12.26
Central California Radio Council dues	10.00
Office envelopes	20.39
Albert H. Wohlers & Co. - Equipment Ins.	21.30
Total February Expenses:	\$126.14

### Central Bank Accounts - March 7, 1986

Savings (Station Fund)	\$598.71
Checking (General Fund)	\$760.33

We had a very successful auction this month as the report indicates. Many of the items sold were donated by Bob Wheeler (KF6PD), who was able to obtain them from his employer. This introduces another possibility for raising auction funds: selling industrial refuse. Many businesses discard unwanted materials that electronic hobbyists (home brewers) could use. If you know of such a possibility, please look into it. The Club could greatly benefit from it.

Remember to feed the Kitty!

Gordon Parsons (NU6W)

Treasurer

## SCHOLARSHIPS

The Dayton Amateur Radio Association will award two (2) \$1,000 scholarships to licensed amateurs graduating from high school in 1986. Please make this known to any amateurs in your area who may qualify. For further information and application forms, write:

Scholarship Committee  
Dayton Amateur Radio Assn.  
P.O. Box 44  
Dayton OH 45401

## THE BASE STATION

YOUR CONTRA COSTA HAM HEADQUARTERS

NOW CARRYING

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### The Base Station

2101 Pacheco St. Concord, CA 94520

(415) 685-7388

## FOR SALE

YAESU 101-EE HF transceiver (includes 11 meters). With CW and SSB filters. Newly repaired, in mint condition. Includes desk mike. \$350. (There was an identical radio in QST for \$385.)

Contact Joe Lee (WB6DOB) at 724-0533, who is selling this on behalf of Tony Hirth (WB6QGJ). PLEASE DO NOT CONTACT TONY! Joe reports that Tony also has a number of keyers, bugs, and automatic keyers for sale, too.

TH6-DXX 6-element tri-band antenna. Excellent condition. \$150. Available to inspect. Joe Lee (WB6DOB) 724-0533.

## DAYTON HAMVENTION BEGINS APRIL 25

The annual Dayton "Hamvention" will be held April 25-27 at the Hara Arena and Exhibition Center. For information call (513) 433-7720. Al Streit (KG6HF) will have more details at the April 11 meeting.



GENERAL MEETING MINUTES  
February 14, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 8pm by President Bob Wheeler (KF6PD).

Guests: Harry Bier (WA6TNI), George Essig (WA7KSW), Geri Essig (WB7AWO), Robert E. Fincher (KA6DAU), and Reid Neuwirth (KB6JDY).

Secretary & Treasurer: December Treasurer's Report and General Meeting Minutes were accepted as published in THE BLOWN FUSE.

Constitution and Bylaws: The Club's new Constitution and Bylaws were unanimously accepted in the revised form as published in the February BLOWN FUSE. Dave Tyler (N6DRT) moved that the Club send a letter of thanks to Betty Baldo (KB6P) in appreciation of her efforts preparing the new Constitution. Motion seconded and passed.

Emergency Service: Dave Tyler reported that February 28 is the deadline to sign up in the V.I.P. program and be eligible for workmen's compensation and mileage reimbursement.

Membership: Al Streit (KG6HF) reported that the membership total is now 62. Regarding the cost of THE BLOWN FUSE, Al said the Club could save over \$100/year by cutting each issue from 8 pages to 6.

Insurance: In discussing the 200% cost increase of the Club's liability insurance for 1986, it was said that incorporation may reduce our insurance cost. Al Streit volunteered to investigate the subjects of incorporation and tax-exempt status.

Digital Communications: Richard Fish (N6IIW) led a discussion of FCC Report and Order of PR Docket 85-105 and its implications for Packet Radio. RM-4879 would make it illegal to transmit 3rd-party traffic over a station operated by automatic control. Rich moved that the Club send a petition to the FCC asking for reconsideration of this rule making. The motion was seconded and passed.

Field Day: Chairman Mike Young (K6MBV) reported that Kensington School has been considered as one possible site and said now is the time to find alternatives.

CCRC: Don Simon (N16A) reported on the February 8th meeting in Concord. Don moved that the Club renew its CCRC membership (\$10/year) for 1986. Motion seconded and passed.

New Business: Sherrick Slattery (KA6NZB) will take the chairmanship of the Radio Interference Committee. Bob Wheeler said one member-at-large position on the Executive Committee is now open and that anyone interested should contact him. Joe Lee (WB6DOB) moved that the Club consider a photo album of Club members. Motion seconded and passed.

The meeting was adjourned for refreshments and an auction at 10:15 pm.

John Percival (W160), Secretary

GENERAL MEETING MINUTES  
January 10, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 8pm by President Bob Wheeler (KF6PD).

Guests: Harry Bier (WA6TNI), Mildred Dunn, Charles Fine, Barry Jennings (N6MKK), C.M. Luchessa (WN6P), and Robert Williams (KA6AJL).

Upgrades: Sue Ludemann (KA6SOC) has upgraded from General to Extra. Phil Wong (WA6ODB) has moved from Technician to General Class.

Emergency Service: Dave Tyler (N6DRT) presented awards from the ARRL to EBARC members who participated in the Mexico City earthquake emergency traffic handling.

Program: The evening's guest speaker was Ted Harris (N6IIU), who spent 12 days in Mexico City following the earthquake in September. Ted gave an interesting presentation with slides and stories about the quake damage, rescue and relief efforts, and Amateur Radio participation. The disaster was said to be about 15 times the scale of the Coalinga quake. Ted described the impact such a quake would have in the Bay Area. Rescue and relief operations here would be hampered by geographical features such as hills, the Bay, bridges, and freeway structures.

Constitution: Bob Wheeler reported on the January 6 Board meeting at which the first draft of a new Constitution and Bylaws was reviewed. The revised text will be printed in the February BLOWN FUSE for a Membership approval vote at the February 14 meeting.

Membership: Al Streit (KG6HF) reported the renewal total is 38 so far.

Club Station: Don Stiver (N6EEG) said more members should be familiar with the operation of the W6CUS station and that anyone wishing to learn about it should contact him.

Field Day: Chairman Mike Young (K6MBV) asked for help and ideas regarding site selection.

Digital Communications: Richard Fish (N6IIW) announced there would be a demonstration of the packet radio mailbox at the WA6JSD Memorial Station on Tuesday, January 14 at 7:30 pm.

The meeting was adjourned at 10:08 pm.

John Percival (W160), Secretary



Report: MEMBERSHIP LIST

March 1, 1986

Selection: EXP DATE equals Dec 31 86

NAME	CALL	ADDRESS	CITY	ST/ZIP	LICENSE	ARRL
AHLBERG, RAY	N6DIG	71 KINGSTON ROAD	KENSINGTON	CA 94707	GENERAL	YES
ARNOLD, ED	K6AGD	330 JENNIFER DRIVE	SAN PABLO	CA 94806	ADVANCED	YES
BACOM, BERNIE	WB6UYJ	2017 SUTTER AVENUE	SAN PABLO	CA 94806	TECHNICIAN	YES
BALDO, BETTY	KB6P	3 ETON COURT	BERKELEY	CA 94705	EXTRA	YES
BALDO, CHRIS	AI6S	P.O. BOX 26	RUMSEY	CA 95679	EXTRA	YES
BERGMAN, GENE	WB6IBU	1514 VIRGINIA STREET	BERKELEY	CA 94703	GENERAL	NO
BILLONES, JOHN	WD6GGC	1416 LAWRENCE STREET	EL CERRITO	CA 94530	ADVANCED	YES
BODIN, LES	W6JKY	2509 TAYLOR AVENUE	OAKLAND	CA 94605	GENERAL	NO
CAIN, DOUG	N6JNK	6606 BLAKE STREET	EL CERRITO	CA 94530	GENERAL	YES
CHANTAROTWONG, KIT	KB6JZM	800 MAISON WAY	RICHMOND	CA 94804	NOVICE	NO
CLARK, CARL	WA6KTL	1737 SOLANO AVE #203	BERKELEY	CA 94707	GENERAL	YES
CLARK, MAE	---	1737 SOLANO AVE #203	BERKELEY	CA 94707	---	NO
-CROOKE, DICK	KB6JEC	1431 ARLINGTON BLVD	EL CERRITO	CA 94530	GENERAL	YES
DORSEY, ROBERT	KA6WAG	2424 STUART STREET	BERKELEY	CA 94705	GENERAL	YES
DUNN, DON	K6BJJ	835 SANTA BARBARA ROAD	BERKELEY	CA 94707	EXTRA	NO
DUNN, MILDRED	---	835 SANTA BARBARA ROAD	BERKELEY	CA 94707	---	NO
EASTMAN, CARL	KA6OLK	6016 N. ARLINGTON AVE	SAN PABLO	CA 94806	TECHNICIAN	YES
FABRY, BOB	N6EK	1175 COLUSA AVENUE	BERKELEY	CA 94707	EXTRA	YES
FINE, CHARLES	KBTV1512	2646 EMMA DRIVE	PINOLE	CA 94564	C.B.	YES
FISH, RICHARD	N6IIW	173 WADI RUN	HERCULES	CA 94547	TECHNICIAN	YES
FOREMAN, WALT	KB6BYQ	2480 SHAWN DRIVE	SAN PABLO	CA 94806	NOVICE	NO
FROST, JACK	K6HYS	2609 CHAPPARAL COURT	PINOLE	CA 94564	EXTRA	NO
HUNTER, MURIEL	WD6FRP	902 INDIAN ROCK AVENUE	BERKELEY	CA 94707	GENERAL	YES
JACKSON, JACK	W6KNO	18 HIGHGATE ROAD	KENSINGTON	CA 94707	GENERAL	NO
JENNINGS, BARRY	N6KMK	2516 SIMAS AVENUE	PINOLE	CA 94564	GENERAL	YES
JOHNSON, AMOS	WA6OUO	737 SOUTH 41ST STREET	RICHMOND	CA 94804	GENERAL	NO
JORDAN, CRAIG	KB6EJL	834 SANTA BARBARA ROAD	BERKELEY	CA 94707	<del>NOVICE</del>	NO
-KAN, MIKE	KB6IRQ	2806-1/2 14TH AVENUE	OAKLAND	CA 94606	ADVANCED	NO
LAKE, ADDISON	KB6ICE	1969 EBSEN CT	PINOLE	CA 94564	NOVICE	NO
LEE, JOE	WB6DOB	1285 McDONALD DRIVE	PINOLE	CA 94564	EXTRA	YES
LEWELLEN, RACHEL	---	6337 KENSINGTON AVENUE	RICHMOND	CA 94805	---	NO
LEWIS, LEO	WA6ZFU	P.O. BOX 1547	RICHMOND	CA 94802	GENERAL	NO
LOSEKOOT, BILL	K6HJU	50 EUREKA AVENUE	KENSINGTON	CA 94707	ADVANCED	NO
LUCHESSA, CHET	WN6P	745 GATEVIEW AVENUE	ALBANY	CA 94706	EXTRA	YES
MASON, SAM	WD6FIM	1060 MASONIC AVENUE	ALBANY	CA 94706	TECHNICIAN	YES
McLAUGHLIN, ART	W6THD	91 EVERGREEN LANE	BERKELEY	CA 94705	EXTRA	YES
MERTENS, MARCIA	KB6LGF	1850 SAN PEDRO AVENUE	BERKELEY	CA 94707	NOVICE	NO
MERTENS, WOODY	N6LFW	1850 SAN PEDRO AVENUE	BERKELEY	CA 94707	GENERAL	YES
NAKAMURA, YOSHI	WB6QKS	516 FOURTH AVENUE	SAN FRANCISCO	CA 94118	GENERAL	YES
PARSONS, GORDY	NU6W	27808 MANON AVENUE #9	HAYWARD	CA 94544	EXTRA	YES
PEOPLES, JOE	N66C	5949 ARLINGTON BLVD	RICHMOND	CA 94805	EXTRA	NO
PERCIVAL, JOHN	WI6O	2616 TAMALPAIS AVENUE	EL CERRITO	CA 94530	EXTRA	YES
PUGATCH, DAVE	---	738 WILDCAT CANYON RD	BERKELEY	CA 94708	---	NO
PURNELL, DAN	N6FT	1460 MARIN AVENUE	SAN PABLO	CA 94806	EXTRA	NO
READ, BILL	WD6AKC	606 GRIZZLEY PEAK BLVD	BERKELEY	CA 94708	TECHNICIAN	NO
ROBERTS, CORWIN	WI6L	1433 THOUSAND OAKS BLVD	ALBANY	CA 94706	EXTRA	YES
ROBINSON, ROBBY	N6MNL	P.O. BOX 724	EL SOBRANTE	CA 94803	TECHNICIAN	YES
SAXTON, PHIL	N6ASB	2662 MERRITT AVENUE	SAN PABLO	CA 94806	GENERAL	YES
SILL, FRED	KA6KZT	878 36TH STREET	RICHMOND	CA 94805	NOVICE	NO
SIMON, DON	NI6A	2327 ALVA AVENUE	EL CERRITO	CA 94530	EXTRA	YES
SLATTERY, SHERRICK	KA6NZB	P.O. BOX 31872	OAKLAND	CA 94604	EXTRA	YES

TECHNICIAN

534-3212

146.49



NAME	CALL	ADDRESS	CITY	ST/ZIP	LICENSE	ARRL
STIVER, DON	N6EEG	1649 RODGER COURT	EL CERRITO	CA 94530	GENERAL	YES
STREHLAN, FRED	NW6E	2318 MOND AVENUE	EL CERRITO	CA 94530	EXTRA	YES
STRLIT, AL	K66HF	P.O. BOX 6211	ALBANY	CA 94706	ADVANCED	NO
STREIT, JOANNE	N6LSV	P.O. BOX 6211	ALBANY	CA 94706	TECHNICIAN	NO
TAYLOR, FRANK	WA6VBU	4818 ROSEMARY DRIVE	EAGLE ROCK	CA 90041	GENERAL	YES
TYLER, DAVE	N6DRT	731 ADAMS STREET	ALBANY	CA 94706	GENERAL	YES
WAITS, DON	WD6DLR	1221 EVLRETT STREET	EL CERRITO	CA 94530	ADVANCED	YES
WELCH, GRAEME	W6JRZ	1020 OXFORD STREET	BERKELEY	CA 94707	ADVANCED	YES
WEXLER, BRUCE	K3MHD	2062 SOUTHWOOD DRIVE	SAN PABLO	CA 94806	GENERAL	YES
WHEELER, BOB	KF6PD	2827 CREEKSIDE DRIVE	SAN LEANDRO	CA 94578	ADVANCED	NO
WHITTOCK, JACK	KA6NQJ	905 TARA HILLS DRIVE	PINOLE	CA 94564	GENERAL	NO
WIEGAND, CLYDE	W6CGD	5964 MARGARIDO DRIVE	OAKLAND	CA 94618	ADVANCED	NO
WINTERS, AL	WA6FFV	5900 BURLINGAME AVENUE	RICHMOND	CA 94804	GENERAL	NO
WONG, PHIL	WA6ODB	3014 NICOL AVENUE	OAKLAND	CA 94602	GENERAL	YES
YOUNG, MIKE	K6MBV	2909 FRYE STREET	OAKLAND	CA 94602	EXTRA	YES

## E.B.A.R.C. BEGINS 1986 WITH 66 MEMBERS

Its 1986 membership renewal drive over, the East Bay Amateur Radio Club stands at sixty-six members as of March 1st. All members are asked to review the membership list above and on Page 5 for errors/corrections: please review the spelling of your name, address, license class, callsign, and your status as an ARRL member. (The last item is very important. It's hard for us to monitor on a regular basis, yet we must maintain a certain percentage of ARRL members to keep our affiliated club status.)

Several items are worth noting. First, there is a trend toward Alameda County membership. As before, most EBARC members (50%) reside in Contra Costa County, but a larger minority (45%) call Alameda County home. Nearly one-quarter of our Club consists of Berkeley residents. Club "old timers" will remember when the East Bay Radio Club (as it was then known) held its meetings in Berkeley.

Second, the average age is inching downward. Last year, the average member was 60 years old. This year, he is 54 years old. This is still above the national average, but our members are "becoming younger" while nationwide, hams are growing older.

Continuing past tradition, nearly 3/4 of EBARC members hold General Class licenses or higher.

## FCC CITES SWAP AND SHOP NET PARTICIPANTS

A number of amateurs in the Southeastern states have been cited by a Florida F.C.C. monitoring station for participating in so-called "Swap and Shop" nets which, in the view of the monitoring station violated Part 97.112. This section states that "an amateur station shall not be used....for communication for material compensation."

The Commission interprets this section as meaning that "amateurs may use their stations from time to time to discuss the availability of a piece of Amateur Radio equipment, but that such activity would be limited to an occasional nature. It's best not to discuss price on the air. Instead, swap phone numbers and finish the dickering off the air." (The F.C.C. Rule Book, pp.6-10.) A.R.R.L. discussions with the F.C.C. indicate that the F.C.C. has not changed this interpretation, and that the citations were issued by an individual monitoring officer who interpreted the rule differently. (A.R.R.L. Letter, March 14, 1986)

## ATTENTION EXTRA-CLASS LICENSEES!

The American Radio Relay League has begun issuing Extra Class license certificates, reporting that over 400 have thus far been issued. If you hold an Extra Class license, and would like one of these certificates, send \$3 with a photocopy of your license to the A.R.R.L. HQ Awards Branch, 225 Main St, Newington CT



The EAST BAY AMATEUR RADIO CLUB is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

The East Bay Amateur Radio Club maintains two Club Stations: The W6EJA Memorial Station is located at the Salvation Army Chapel, 1110 36th Street, Richmond. The WA6JSO Memorial Station is located at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (WI6D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P)	650-1650
Don Dunn (K6BJJ) Historian	526-1736
Carl Eastman (KA6DLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	232-9492
Don Simon (NI6A)	237-1381
Sherrick Slattery (KA6NZB) Radio Interference Chairman	893-4008
Don Stiver (N6EEG) Club Station Chairman	233-5846
Dave Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

NET	NET CONTROL	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	Doug Cain (N6JNK)	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	Al Streit (KG6HF)	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	(Rotates)	Thurs	1900	145.110
Northern Alameda County ARES Net	(Rotates)	Thurs	1915	147.540
Contra Costa Communications Club Net	Joe Peoples (NG6C)	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Tony Slattery (KA6NZB)	Thurs	1930	146.880
"Over the Hill Gang" Breakfast/Commute Net	Jack Whitlock (KA6NQJ)	Mon-Fri	0710	145.110
Northern California Net VHF Session	(Rotates)	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for May issue: Saturday, April 26. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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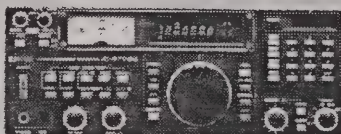
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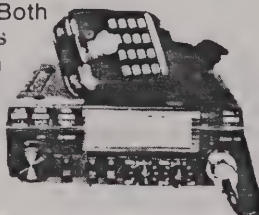
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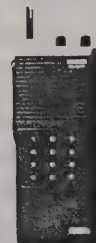
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IC-04AT



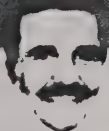
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5 miles south on 101 from SFO

**NEW OAKLAND, CA 94606**  
2210 Livingston St.  
(415) 534-5757: Don, Mgr. N6IPE  
Hwy 17 to 23rd Ave. Exit

**SAN DIEGO, CA 92123**  
5375 Kearny Villa Rd.  
(619) 560-4900: Glenn, Mgr. K6NA  
Hwy 163 & Claremont Mesa Blvd

**PHOENIX, AZ 85015**  
1702 W. Camelback Rd.  
(602) 242-3515: Bob, K7RDH  
East of Hwy 17

**VAN NUYS, CA 91401**  
6265 Sepulveda Blvd.  
(818) 988-2212: Al, Mgr. K6YRA  
San Diego Fwy at Victory Blvd



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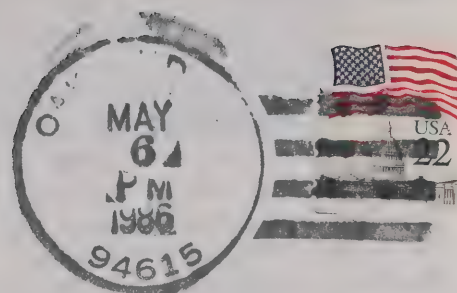
**EAST BAY AMATEUR RADIO CLUB**

**W6CUS**

# THE BLOWN FUSE



**EAST BAY AMATEUR RADIO CLUB  
P.O. BOX 6211  
ALBANY, CA 94706**



FIRST CLASS MAIL

Dec 31 86  
JORDAN, CRAIG KB6EJL  
834 SANTA BARBARA ROAD  
BERKELEY CA 94707

**POSTMASTER:  
ADDRESS CORRECTION REQUESTED.**

## COMING EVENTS

MAY 9	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Speaker: Charles Woodson (W6NEY)
		Topic: Coherent CW Communications
JUN 13	8:00 pm	EAST BAY A.R.C. MEETING
JUN 28	early!!	FIELD DAY 1986

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## FINAL VOTE TO BE TAKEN ON CONSTITUTION CHANGES

The May 9 meeting of the East Bay Amateur Radio Club will include a final vote on the two proposed amendments to the new EBARC Constitution. These amendments have been drafted to facilitate the incorporation of the Club and the achievement of non-profit status. In brief, one of the proposed amendments changes the official name of the EBARC to "East Bay Amateur Radio Club, Inc." The other expands upon and clarifies the stated purpose of the Club. If these amendments are adopted, the filing of all Federal and State forms may proceed.

These amendments were printed in their entirety in the April issue of THE BLOWN FUSE. At the April 11 meeting, it was pointed out that proposed amendments must be read at one meeting, published at least 10 days prior to a second meeting, and voted upon at the second meeting. Therefore, although the amendments were printed prior to the April meeting, voting had to be postponed until May. (It is presumed that all current voting members either received the April issue by mail or at the April meeting. If you did not receive the April issue, contact Al Streit (KG6HF) immediately.)

Be sure to attend the May meeting. Your vote and opinions count!

-----

## FOOTHILL FLEA MARKET INFORMATION

The Foothill College Flea Market in Los Altos Hills is held the second Saturday of every month from March through September. To support the local amateur radio clubs, a different club runs the Flea Market each month.

The fee for sellers is \$7. Starting time for sellers is 7 am and the opening time to buyers is 7:15 am. Take I-280 to El Monte Road exit west and follow the signs to the College.

VE exams are administered each month: 20 wpm at 12 noon, 13 wpm at 12:30 pm, 5 wpm at 1:30 pm, and written exams any time between 1-2 pm. For more information, call (408) 255-9000. (Worldradio)

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## FCC PROPOSES NOVICE ENHANCEMENT

The Federal Communications Commission has proposed enhancing Novice privileges by authorizing telephony or digital communications on the 28, 220, and 1200 MHz bands, as requested by the American Radio Relay League in its petition last June, RM-5038. The Commission said statistics show a decline in the number of new Novice operators. There are now 10,000 fewer Novices than there were just two years ago. This proposal is an effort to reverse these trends.

The Commission is also seeking comments on other alternative approaches. Although the Commission has adopted this NPRM in PR Docket 86-161, as of this date [April 25--ed.] the text has not yet been released to the public. Only a short Commission news release concerning Novice enhancement has been issued giving minimum details. The Commission has also issued an order in PR 85-22 on Repeater Coordination. This also has not been released, so no details are known at press time. Listen to WIAW bulletins for further information as it becomes available. (ARRL Letter)

-----

## PETITION THREATENS 220 BAND

Another petition threatening the 220 MHz band has been filed with the F.C.C. On April 15, the Association of Radio Reading Services, Inc., an organization providing reading services to the visually impaired via subcarriers on FM broadcast, filed a request for 500 KHz of the 220-MHz band for their service on the grounds that FM broadcast subcarriers are becoming unavailable to them. The F.C.C. has not yet assigned a file number to the petition, so comments would be premature. WIAW will carry further information as it becomes available. (ARRL Letter)

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## E.B.A.R.C. BADGES AVAILABLE

E.B.A.R.C. identification badges are available from Joe Lee (WB6DOB) for \$3.25. These badges are approximately 3"x1.5", display your name, callsign, and "East Bay Amateur Radio Club" in gold lettering on a royal blue background. Order one from Joe at the May 9 meeting and you will have it in plenty of time for Field Day!

-----



# TREASURER'S REPORT - MARCH & APRIL, 1986

## March Income:

Member: Harry Bier (W6TNI)	\$ 9.00
Donation from Dwayne Eskridge (W6LKE)	10.00
Auction Sales	13.50
Coffee Kitty	7.50
Station Fund	6.50
Total March Income:	\$ 46.50

## March Expenses:

Refreshments	\$ 7.15
Total March Expenses:	\$ 7.15

## April Income:

Membership Renewals: KA6SOC, KB6WC	\$ 24.00
Family Memberships: Margaret & Bill Fisher (WD6FRD), Chinn Callan (N6NAV)	18.00
New Members: Tim Howe, Tom Grimsley, Russell Hutton, Sam Darrett (N6ALE)	36.00
ARRL Renewal: Peter Gaposchkin (KB6WC)	25.00
Ham Radio Outlet - advertising	30.00
Base Station - advertising	9.00
Coffee Kitty	5.00
Station Fund	5.00
Total April Income	\$152.00

## April Expenses:

Blown Fuse printing (March)	\$ 32.78
Blown Fuse postage (March)	18.92
Blown Fuse printing (April)	38.34
Blown Fuse postage (April)	16.28
ARRL Renewal (KB6WC)	23.00
Field Day privacy shelter	42.21
Refreshments	3.28
Total April Expenses	\$174.81

## Central Bank Accounts - May 3, 1986

Savings (Station Fund)	\$771.87
Checking (General Fund)	\$623.71

It's Spring! It's time to clean up the old radio shack and haul your salable items to the next Club auction. The things you don't need might be something someone else could use. Much of the plexiglas sheets that were auctioned in February was quickly bought up by home hobbyists. We hope to have more of it at the next auction. Many of the long sizes were bought to be used as a base for code keyers.

Remember to feed the Kitty!

Gordon Parsons (NU6W)

Treasurer

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## PROGRAM NOTICE

Charles Woodson (W6NEY)

"Coherent CW Communication"

Friday, May 9th, 1986

8:00 PM

Club members and all interested radio amateurs are invited to the May 9 East Bay Amateur Radio Club monthly meeting, where Charles "Woody" Woodson, (W6NEY) will be our guest speaker, talking about the subject of Coherent Continuous Wave (CCW) radio.

Professor Woodson, of the University of California at Berkeley, is an authority on the topic of CW communications, and publishes a newsletter, Coherent CW. CCW is a specialized technique for stabilizing transmitter and receiver frequencies to a common frequency reference (e.g., WWV). It has been said that a 5-watt 9 Hz bandwidth conventional CW signal is the equivalent of a 320-watt 500 Hz bandwidth SSB signal.

We are sure Dr. Woodson's CCW talk will prove most interesting. EBARC invites all interested parties to attend. (Richard Fish, N6IIW)



1986 has seen an influx of new members to the East Bay Amateur Radio Club. It would seem that our good fortune has come about from two main sources. First is our new family membership plan, where spouses (and other family members) may join for, in effect, an additional \$3 per year. The second item is the Club's educational programs, where Novice classes are held periodically to assist interested persons become licensed. As of May 1, E.B.A.R.C. membership stands at 77.

Those who have joined in recent months include Harry Bier (WA6TNI), a Martinez resident licensed since 1958 who, incidentally, is the brother-in-law of John Billones (WD6GGC); Chinn Callan (N6NAV), wife of Sherrick Slattery (KA6NZB), joining under the family membership plan; Sam Darret (N6ALE), a former member who has returned to the fold; Charles Fine (KBTW 1512), who currently holds a CB license but is looking forward to obtaining his amateur ticket; Margaret Fisher, wife of Bill Fisher (WD6FRO), another family-plan member; Tom Grimsley, currently unlicensed but gearing up for his Novice exams; Tim Howe, a Novice by virtue of having completed Elements 1(A) and 2, now awaiting his license by mail; Russ Hutton, like Tom now unlicensed but planning to take the tests soon; and John Nettleton (K6MKQ), a Technician first licensed in 1954.

It's been a long time since we've been able to acknowledge our new members, what with printing Constitutions, membership lists, etc. in THE BLOWN FUSE. New members are the roots of this Club, and we welcome aboard one and all. If anyone has been overlooked in the process, we apologize. Let Membership Chairman Al Streit (KG6HF) know, and you will be mentioned next time.

The regular meeting of the East Bay Amateur Radio Club was called to order at 8pm by President Bob Wheeler (KF6PD).

Program: First V.P. Rich Fish (N6IIW) introduced guest speaker Leanna Wolfe, a Berkeley video film producer. She showed the Club a production of hers titled "Wireless", a documentary on amateur radio in which she interviews her father Irv Wolfe (W6HIN). As the title suggests, the film has a historical perspective with scenes of of early radio equipment and stories from Irv's long career in commercial and amateur radio.

Guests: Harry Bier (WA6TNI), Don Brandt (WA6FFF), George Essig (WA7KSW), Dorothy Fowler, Tom Grimsley, Timothy Howe, Russ Hutton, Emily Luchessa, John Nettleton (K6MKQ), Suzanne Sylvester, Susan Taylor, and Daryal Wilkerson (KB6HFG).

Digital Committee: Rich Fish announced that the East Bay Packet Radio Association would meet at March 25th, 7:30 pm, at the Richmond Red Cross. Don Simon (N16A) reported the EBARC packet mailbox has been working stations across the country via the HF link (7.093 MHz) at a rate of approximately 500 messages per month.

Club Station: Don Stiver (N6EEG) noted we have experienced interference between the HF and VHF rigs and said the W6CUS station needs updating.

Emergency Service: Dave Tyler (N6DRT) reported on amateur radio participation with the Red Cross and the County Sheriff's emergency shelter during recent flooding.

Field Day: Mike Young (K6MBV) asked for volunteers for the Field Day Committee, asking that anyone with ideas for the event call him on the phone.

Incorporation: Bob Wheeler talked about the work by Al Streit (KG6HF) investigating incorporation and tax-exempt status for the Club. Bob moved that we proceed with efforts leading toward incorporation. Motion seconded and passed.

The meeting was adjourned at 9:42 pm.

John Percival (W16D), Secretary

## SAN FRANCISCO OSCAR MEETING

A meeting of the San Francisco Area OSCAR Users' Group will be held in San Mateo on May 18. Program topics will include getting started on OSCAR, Phase 3C review, Mode L, Mode A, and a question and answer session. Plans call for equipment displays, tracking program demonstrations, AO-10 video tapes, and some equipment especially designed for OSCAR operation. The meeting will run from 0900 to 1600 PDT. Preregistration is required. Send SASE for full information. Contact Ross Forbes (WB6GFJ), P.O. Box 1, Los Altos CA 94023.



## CW COMES IN FLAVORS

by Don Simon (NI6A)

In early 1959, when I passed my General test, I was ready to throw my Key away forever. I was anxious to join my idols who I had for so long SWL'ed, but perhaps there were too many inherent obstacles for a high-pitched-voice 14-year old phone operator to overcome in those days, and I shortly found myself down on the CW bands seeing what I could do. Having reached the pinnacle of 13 wpm, I found 15 wpm was only a short skip away. Pleasantly, I found the General band full of good fists and operators, and the QRM was nothing compared to the Novice bands. CW operations soon became joyful, and my code soon zoomed to 20, then 25 in one year and over 35 in two. I had found my niche; no one would know I was a high-pitched young whippersnapper of 14 unless I chose to share my secret. I found it difficult to master a bug beyond 30 wpm, although I QSO'ed many "masters" whose Keying was fluent, smooth, articulate, and easy copy.

In order to gain perfection, I built a one-tube electronic Keyer as described in a QST Magazine article, and after trouble-shooting my cold solder joints, was on the air with an automatic Key after also modifying the bug so it would have isolated dash and dot Keying terminals to drive the Keyer. After a week of mistakes, the transition from bug to Keyer was achieved to a point that I was making fewer errors on the Keyer than I did when I used the old semi-automatic device (bug).

I enjoyed my little Keyer immensely and can say my only regret was that when I tried to go back to the bug on Field Day or other occasions, I was worse off for it because I had become accustomed to the automatic dashes of the Keyer.

Last year my Keyer broke down, so I decided to try out my bug again. I was determined to master it. I was given hints by other long-time bug users. I found that using a bug was almost a religion in certain parts of the spectrum, and certain ceremonies and rituals were necessary to ensure a good communion between operator and Key. Weights, springs, spacings, torque---all became critical and soon the

science, nay, art of bug sending began to be revealed slowly. On certain days I would have "it": the code would flow copiously out from my finger pads like music from an eternal fountain gracing my listener with nuances, accentuations, moods, preciseness, and the myriad subtleties that the bug is capable of communicating when sent by a skilled operator. But alas, I was not always so inspired, and on bad days when the wellsprings were not gushing forward, I resorted to my straight Key in order to spare my dear listener an endless array of error and folly.

After many struggles, tribulations, and close calls, I finally gave up the struggle at Christmas time this last year and reconverted to full automatic Keying. I find my sending more accurate at much higher speeds, although I am certain that my humor, intonations, and subtle characteristics that can be communicated richly via a bug is lessened. Since I do much traffic work, accuracy is the major focus, and although an electronic Keyer may be less interesting to listen to, it has enabled me to communicate more accurately, faster.

After reading a few negative remarks made by a bug operator about electronic Keying in our Section Net Traffic Bulletin, I think it is appropriate to articulate upon their relative advantages and disadvantages.

The advantages of a bug are that they are simple to use, are not subject to RF interference, are less expensive (compared to paddle price plus Keyer), save on energy bills or batteries, have more "character", are more flexible and spontaneously capable of variation.

Despite certain claims by some bug enthusiasts, bugs can be quite temperamental and erratic when subjected to temperature changes (e.g., expansion and contraction of metal spacers), high winds, spring fatigue, contact pitting, dirt, and other mechanically inherent problems.

(Continued on Next Page)



(Continued from Page 5)

Following is a list of advantages for electronic Keying and Keyboard or machine Keying over straight Key or semi-automatic: perfect dot-dash ratios, higher speed capabilities, less operator fatigue, less chance for error or confusion, does not require constant attention due to mechanical maladjustments such as spring tensions and spacings, and less tempermental.

Detractors of electronic Keyers and Keyboards should know that what some operators call "code with character" is what other operators may call "bad code". They should also realize that those Keyers that are RF sensitive are the Keyers which are not adequately shielded or RF protected, and erratic Keyboard behavior is not an inherent characteristic of electronic Keyers or Keyboards. On the contrary, the old vacuum tube Keyers, such as the old W9TO Keyer and the better solid-state Keyers, present no erratic behavior and are far more dependable than any bug.

Sending with a bug is an art form. Some of us have "it" and others do not. Granted it takes hard work and a lot of effort to master a bug, and I do not blame anyone who has gone electronic Keyer or Keyboard.

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#### KG6HF Editorial

#### FCC NOVICE PLAN: TOO LITTLE TOO LATE?

One of the most surprising aspects of the current proposals to "enhance" Novice privileges is the paucity of opposition, both at the grass-roots and "official" levels. This, in spite of the mistaken yet pervasive belief that the proposals would create a "no-code" license class (which they would not). In contrast, just a few short years ago there was a proposal for a no-code license class, a proposal which was drowned in a tide of fierce opposition from organizations, ham radio media, and thousands of "Joe Hams" across the nation.

Why the difference? My feeling is that, while the average ham may not care that

the number of licensees is declining, the "leaders" are quite worried. As Rod Stafford (KB6ZV), of the ARRL Pacific Division told the E.B.A.R.C. last September: "If you believe in actuarial tables at all, without an influx of new licensees the number of amateur radio operators could drop by as much as 100,000 over the next ten years." What would this mean? Reallocation of amateur radio frequencies to other services, for one. Loss of political leverage (e.g., the ability to fight antenna restrictions) for another. Perhaps most importantly, manufacturers of ham radio equipment would see their profits decline, as would magazine publishers and, yes, certain nationwide ham radio organizations.

So, the move for enhanced Novice privileges has its root in politics (so what else is new?). Those operators with no interest whatever in CW, who previously were told (in effect) to "grow up" and become "real" hams before receiving increased operating privileges, suddenly find themselves needed.

What is so sad about this latest whoop-de-doo is that it may be too late. It has been ten years since Citizen's Band radio rose from the depths of an obscure hobby to the heights of fashion. After the bloom wore off, there developed an offshoot of the hobby consisting of "serious" enthusiasts who, on the one hand, had become bored and frustrated by the limitations of CB, while on the other had grown disillusioned and disgusted by the "typical" CB'er. Operating on SSB exclusively, using Q-codes rather than 10-codes, many of these "sidebanders" took the first step towards amateur radio by obtaining Novice tickets.

Five years ago, there were hundreds of active SSB/CB clubs throughout the country. Had the powers-that-be promulgated the current proposals in, say, 1980, the ranks of active amateur radio operators would have swelled. Instead, thousands of would-be hams never sought licenses, and thousands of others became Novices in name only, never using what they considered a dubious privilege at best. The ranks of "sidebanders" have declined at a rapid rate during this time. SSB CB radios now sit in the attic, gathering dust, and their owners have moved on to other pursuits.

In spite of this, I firmly support the current proposals. However, I can only dream about what might have been....



The **EAST BAY AMATEUR RADIO CLUB** is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$10 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBCRC, P.O. Box 6211, Albany CA 94706.

The East Bay Amateur Radio Club maintains two Club Stations: The W6EJA Memorial Station is located at the Salvation Army Chapel, 1110 36th Street, Richmond. The WA6JSO Memorial Station is located at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (W16D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
-----	
Betty Baldo (KB6P)	653-1650
Don Dunn (K6BJJ) Historian	526-1736
Carl Eastman (KA6OLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	232-9492
Don Simon (N16A)	237-1381
Sherrick Slattery (KA6NZB) Radio Interference Chairman	893-4008
Don Stiver (N6EEG) Club Station Chairman	233-5846
Joe Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

NET	NET CONTROL	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	Doug Cain (N6JNK)	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	Al Streit (KG6HF)	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	(Rotates)	Thurs	1900	145.110
Northern Alameda County ARES Net	(Rotates)	Thurs	1915	147.540
Contra Costa Communications Club Net	Joe Peoples (NG6C)	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Tony Slattery (KA6NZB)	Thurs	1930	146.880
"Over the Hill Gang" Breakfast/Commute Net	Jack Whittock (KA6NQJ)	Mon-Fri	0710	145.110
Northern California Net VHF Session	(Rotates)	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for June issue: Saturday, May 31. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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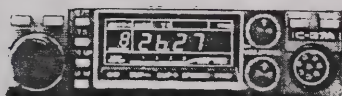


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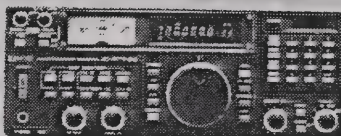
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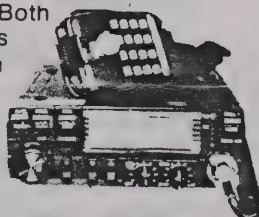
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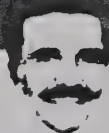
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(619) 560-4900: Glenn, Mgr. K6NA  
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(602) 242-3515: Bob, K7RDH  
East of Hwy. 17

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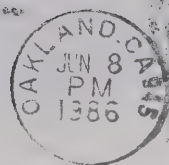
**EAST BAY AMATEUR RADIO CLUB**

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## COMING EVENTS

- |        |         |                                 |
|--------|---------|---------------------------------|
| JUN 13 | 7:30 pm | W6EJA Memorial Station opens    |
|        | 8:00 pm | EAST BAY A.R.C. MEETING         |
|        |         | Topic: FIELD DAY 1986           |
| JUN 28 | 8:00 am | FIELD DAY 1986                  |
|        |         | I-80 at Hilltop Drive, Richmond |
| JUL 11 | 8:00 pm | EAST BAY A.R.C. MEETING         |
|        |         | Topic TBA                       |

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second  
Friday of each month at the Salvation Army Church, 1110 36th St. (at  
Rheem Ave.), Richmond, CA**



## E.B.A.R.C. PREPARES FOR FIELD DAY 1986

At 11:00 am on Saturday, June 28, the 1986 version of amateur radio's biggest event will officially begin in Richmond and the surrounding East Bay Area. By that time, members of the East Bay Amateur Radio Club will have already spent about three hours of their Saturday setting up tents, antennas, generators, power supplies, transceivers, and the rest of the equipment needed for the 24-hour contest.

As was the case last year, this year's Field Day will be held at the site of the old Hilltop Drive-In Theatre. Take I-80 to Hilltop Drive, exit toward Hilltop Shopping Center, turn right at Blume Drive and park nearby. This year, the actual site will be closer to the freeway than was the case in 1985. Field Day Chairman Mike Young (K6MBV) told THE BLOWN FUSE that this year's site is somewhat less windy than last year's.

At least four stations are planned for this year: CW, SSB, VHF/UHF, and a Novice station. Also, a combined OSCAR and Packet station is being discussed as well. Mike reports that antennas are still needed, specifically tri-band beam antennas.

A meeting of the Field Day Committee was held Saturday, May 31, where preliminary plans were made, but the bulk of preparation will come in the few days ahead. Anyone who can contribute time or equipment (or both) is urged to attend the upcoming general membership meeting on Friday, June 13, at 8 pm. The June meeting will be devoted to Field Day preparations. If you cannot attend, but need more information or would like to help out, contact Mike at (415) 531-5197 after 5 pm, or leave a message on his 24-hour answering machine.

The E.B.A.R.C. is a diverse club, and the success of its past Field Days has been a tribute to this diversity. The past twelve months' time has seen a large influx of new members, many of them Novices. It was for this reason that a Novice station was considered a must. In short, no one will be forced to operate, but no one who wants to operate will be kept from doing so. There is room for "serious operators" and "socializers" alike. Field Day 1985 was thought by many to be our Club's most successful ever, yet the Field Day Committee is working to top that this year!

At any event, plan to arrive at the Hilltop site by 8 am. See you there!

## FCC ISSUES NOVICE NPRM

Acting on a petition from the American Radio Relay League and others to enhance privileges available to holders of Novice licenses, the Federal Communications Commission has issued its Notice of Proposed Rule Making (NPRM), PR 86-161. For those who just tuned in, the ARRL recently became concerned that the number of Novice license holders has fallen rapidly during the past few years. The May 9 ARRL Letter reports a loss of over 10,000 Novices over the last three years, and states: "Present Novice privileges are insufficiently attractive in motivating prospective hams to join our ranks [or] to encourage many who do have a Novice license to get on the air."

Specifically, the FCC proposes the following privileges be allowed Novices:

- (1) CW and digital communications (RTTY, AMTOR, and Packet) from 28.1 - 28.2 MHz.
- (2) SSB and CW communications from 28.3 - 28.5 MHz, maximum power 200 watts.
- (3) All authorized emissions from 220 - 225 MHz, including use of repeaters, maximum power 25 watts.
- (4) All authorized emissions from 1246 - 1260 MHz, including use of repeaters, maximum power 5 watts.

The Novice written examination would be expanded to 30 questions, and the question pool to 300 questions. The ARRL has requested also that future Novice exams be administered by at least two, rather than one, General class licensees "in order to maintain the integrity of the Novice examination."

Formal comments on PR 86-161 are due on or before July 16, 1986.







**GENERAL MEETING MINUTES**  
**April 11, 1986**

The regular meeting of the East Bay Amateur Radio Club was called to order at 8:03pm by President Bob Wheeler (KF6PD).

Secretary & Treasurer: The General Meeting Minutes for the January and February meetings and the Treasurer's Report for February were accepted as published in THE BLOWN FUSE.

Guests: Regina Burke, Tom Grimsley, Scott Strahm, and Daryal Wilkerson (KB6HFG).

Upgrades: Marcia Mertens has received her Novice callsign, KB6LGF. Tim Howe has passed the Novice exam.

Program Committee: Rich Fish (N6IIW) announced that the guest speaker at the May general meeting will be Charles Woodson (W6NEY) on the subject of Coherent CW communication.

Photographs: Joe Lee (WB6DOB) presented photos he took at the March meeting. The members expressed a preference for 3"x5" prints for the Club's photo album.

Education: Tony Slattery (KA6NZE) reported that licensing classes are being offered at the U.C. Student Union, given by the Berkeley V.E. team and sponsored by the U.C. Amateur Radio Club.

Field Day: Mike Young (K6MBV) has arranged for the Club to use the same site as last year. The site, owned by Chevron Land Development, may have some grading work done on it before June 28th.

Constitution: The proposed amendments, printed in the April Blown Fuse, required for incorporation were read by Al Streit (KG6HF). They will be voted on in May.

Club Station: Don Simon (N16A) told of the need for a new 2-meter rig at the Richmond Red Cross station. A motion was made to authorize the Club Station Committee to spend up to \$350 for a new 2-meter transceiver to be used as the Club sees fit. Motion seconded and passed. The business meeting was adjourned at 8:53pm for the evening's program.

Program: Bob Fabry (N6EK) gave a talk and slide show about his recent DXpedition to the Bahamas and Grand Turk Island. Bob operated as N6EK/C6A from the Bahamas in the ARRL International DX contest CW portion and VP5Y from Grand Turk Island in the phone half of the contest. Bob offered many helpful tips on DX and contest operation based on his experiences on this trip.

The meeting was adjourned at 9:42 pm.

John Percival (W16O), Secretary

**GENERAL MEETING MINUTES**

**May 9, 1986**

The regular meeting of the East Bay Amateur Radio Club was called to order at 8:01pm by President Bob Wheeler (KF6PD).

Program: Guest speaker for the evening was Charlie Woodson (W6NEY), who gave a fascinating talk on the subject of coherent CW (CCW). Charlie discussed the technical basis of CCW, its operational advantages, and equipment requirements. A tape recording made by Jim Maynard (K7KK) was played to demonstrate the great selectivity and signal/noise ratio advantages of CCW.

Guests: Regina Burke, Jeff Dairiki, Peter Figueroa (N6IWH), Steve Martin (WA3SAD), Ivan Sturman (WB6PIV), Randy Tanaka (KF6CC), Jim Tittsler (A18A), Eric Williams (WD6CMU), and Charles Woodson (W6NEY).

Constitution & Bylaws: By unanimous vote of the members present a motion was passed to approve the two Constitutional Amendments as printed in the April Blown Fuse. The two changes were made to clear the way for the incorporation of the Club and the attainment of tax-exempt status.

Secretary & Treasurer: The Minutes of the March General Meeting and the Treasurer's Reports for March and April were accepted as printed in THE BLOWN FUSE.

Public Service: Dave Tyler (N6DRT) reminded the group of the emergency communications training session to be given Sunday, May 18 at the Consolidated Fire Training College in Concord.

Digital Radio: Rich Fish (N6IIW) reported that the Digital Committee is working with the East Bay Packet Radio Association to define the operation of the packet station at the Richmond Red Cross.

Field Day: Bob Fabry (N6EK) reported that we have the site at Hilltop lined up. Bob asked if any member has a tri-band beam antenna that could be used on Field Day, and said telescoping masts would be needed also.

The meeting was adjourned for refreshments at 9:57pm.

John Percival (W16O), Secretary.



## FOR SALE

1. Hy-Gain TH6DXX 10-15-20 meter antenna. Very good condition. Easily converted to TH7DX with reflector kit. \$150. Contact Joe Lee (WB6DOB) at 724-0533.

2. Trio TS-820S HF transceiver. Includes CW filter, modified front end (digital readout), DC converter, and MC-50 desk mike. \$550. Contact Joe Lee (WB6DOB) at 724-0533.

3. OSCAR station available as package or separately:

a. Yaesu FT-780R all-mode 430-440 MHz transceiver, 12 watts output, like new condition. \$325.

b. ARR gasfet preamp. Mount on tower or in shack. .55dB noise factor, 24dB gain, 25 watts transmit. This is not the common receive-only gasfet, but RF switched inline. Works perfect. Model SP144vdg. \$80.

c. Mirage D-1010N 70cm amplifier. 10 watts in, 100 watts out or 1 watt in, 25 watts out. Perfect condition. \$245.

d. Cushcraft 144-20T 20-element crossed yagi 2-meter antenna with phasing harness. Great shape. \$65.

e. KLM 18C 18-element crossed yagi 70cm antenna with phasing harness and CS-2 switcher. Great shape. \$65.

f. Alliance U-110 rotor, Kenpro/KLM KR-400 rotor, fiberglass boom, 1-1/2" mast, all for \$120.

Total above prices, \$900. Contact Don Simon (NI6A) at 237-1381. Special discount for package deal.

4. Commodore computer system for sale:

a. Commodore C-64 computer. Perfect shape. \$90.

b. Commodore disk drive. Perfect shape. \$140.

c. RS-232 adapter. Gives 7 lines, allows C-64 to connect with TNC or modem. \$30.

d. Null modem cable. 25' needed for adapter. \$10.

e. Commodore disks. \$25 for 50.

f. Cardco G+ printer adapter. Adapts C-64 to parallel printer, allows graphics. \$45.

Total above prices \$340. Package deal including lots of software, books \$310. Contact Don Simon (NI6A) at 237-1381.

## FOR SALE

5. Cushcraft A-3 3-element 10-15-20 meter beam. Good condition. \$125. Contact Al Streit (KG6HF) at 526-5743.

6. B&W AS-80 78' trap dipole antenna, works 20-40-80 meters. Good for limited space! \$40. Contact Al Streit (KG6HF) at 526-5743.

7. Vibroplex Iambic Paddle Deluxe, polished chrome. \$35. Contact Al Streit (KG6HF) at 526-5743.

8. AEA Contester CK-2 memory keyer. \$75. To 99 wpm. Contact Al Streit (KG6HF) at 526-5743.

9. Kenwood PC-1 phone patch. Hello Ma Bell! \$25. Contact Al Streit (KG6HF) at 526-5743

## NAME/CALL BADGES AVAILABLE

New members especially, take note! Official East Bay Amateur Radio Club name and callsign badges are available from Joe Lee (WB6DOB). Gold on royal blue. Order at any meeting for \$3.25 prepaid.

## E.B.A.R.C. ADDS 3 NEW MEMBERS

East Bay Amateur Radio Club membership now stands at eighty (80) with the addition of three new members at the May meeting. It is a pleasure to announce that Ivan Sturman (WB6PIV) has rejoined the Club after a 3-year absence. Ivan is a Kensington resident holding a Novice license. Another soon-to-be Novice is Gina Burke, a resident of Bethel Island who recently passed elements 1A and 2 and is awaiting her ticket. Also coming aboard is Jeff Dairiki, a Berkeleyan who is looking forward to passing his Novice examinations at the first opportunity.

Only last year that it was remarked here that the EBARC was evolving into a Club of Extras! Although upgrading is not to be discouraged, it seems a far greater accomplishment nowadays to be a Club of Novices and would-be Novices. The EBARC is successfully laying a firm foundation for continued growth!



## H.R. 3378 PASSES SUBCOMMITTEE

After being scheduled and cancelled six times previously by a U.S. House of Representatives subcommittee, the markup session on HR 3378, the "Privacy Act" bill, was finally held May 14. The markup session is where the bill is literally "marked up" (amended) by the subcommittee and voted on.

The subcommittee renamed the bill "The Electronics Communications Act of 1986", and after making some minor changes, approved the bill unanimously.

The bill, which received the strong backing of the Justice Department, the American Civil Liberties Union, and the computer and communications industries, proposes a new definition for the interception of radio and electronic communications. Instead of "acquisition of the content," which is the present definition, the new definition would be "interception of the transmission of the content." That is, mere reception of a protected communication would be a crime.

A penalty of up to one year in jail and up to a \$10,000 fine, would be imposed for intercepting certain transmissions in the shortwave band (namely, the handful of remote broadcast pickup stations still operating around 26 MHz), ship-to-shore radiotelephone conversations, and scrambled and encrypted transmissions. There are penalties for tuning in remote broadcast pickup stations around 153, 161, 450, and 455 MHz, radio common carriers around 152, 158, and 454 MHz (those are traditional carphones), anything encrypted or scrambled, and any FM subcarrier service, even if piggybacked onto a broadcast signal. Willful interception of a cellular phone call would carry a penalty of up to 6 months in jail and a \$500 fine! It would become a misdemeanor to use a satellite dish to intercept subscription TV signals if the information is then used commercially.

The final version of the bill makes it OK to listen for illegal stations, for land mobile stations to check a shared frequency before transmitting, to listen to aviation, marine, fire, public safety and similar signals unless they are encrypted, and so on.

A member of the subcommittee, Michael DeWine (R-OH), attempted to amend the bill to use the terms "intercept and divulge or use" in place of "intercept" alone in the legislation at those points where discussion focuses on unencrypted

radio communications. This is the same terminology which is in Section 705 of the 1912 Communications Act. Congressman DeWine pointed out to the subcommittee many of the arguments which had appeared in the amateur and radio communications trade press. He noted that the legislation would produce only the illusion of protection for cellular radio, since there are millions of TV sets capable of being tuned to cellular frequencies. Moreover, the Justice Dept. has stated that they do not intend to enforce the cellular provision of the bill. However, his amendment was defeated with only three yes votes being heard. The debate showed that most Congressmen wanted, through this legislation, to make a strong policy statement that no one should eavesdrop on neighbors.

ARRL headquarters believes amateur transmissions are totally exempt. The pertinent part of the text now reads: "It shall not be unlawful . . . to intercept any radio communication which is transmitted . . . by a station operating to a frequency assigned to the amateur [service]." That wording, the ARRL believes, exempts phone patches; nevertheless, it is exploring the idea of getting some language in the report which says so explicitly.

Now that the House subcommittee is wrapping up its work, the Senate subcommittee considering the companion bill is expected to hold hearings soon. It is expected that the full House may consider this bill within the next two months.

Putting this all together, we can see that the common assumption that all of the RF signals pervading our homes are part of the public domain would no longer be valid if HR 3378 becomes law. Although the scope of this bill has been narrowed from what it had been, it still represents a great departure from traditional US policies.

(From The ARRL Letter, May 23, 1986.)



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Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (W16D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P)	653-1650
Don Dunn (K6BJJ) Historian	526-1736
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Leo Lewis (WA6ZFU)	232-9492
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Dave Tyler (N6DRT) Public Service Chairman	525-6200
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### AMATEUR RADIO NETS

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EAST BAY AMATEUR RADIO CLUB SSB NET	Al Streit (KG6HF)	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	(Rotates)	Thurs	1900	145.110
Northern Alameda County ARES Net	(Rotates)	Thurs	1915	147.540
Contra Costa Communications Club Net	Joe Peoples (N66C)	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Tony Slattery (KA6NZB)	Thurs	1930	146.880
"Over the Hill Gang" Breakfast/Commute Net	Jack Whittock (KA6NQJ)	Mon-Fri	0710	145.110
Northern California Net VHF Session	(Rotates)	Daily	1930	145.490

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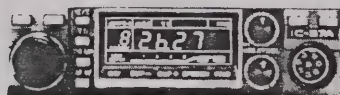


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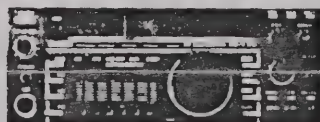
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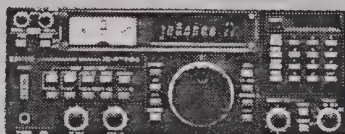
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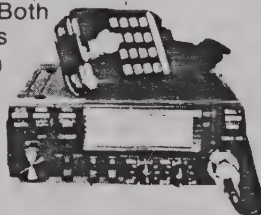
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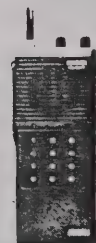
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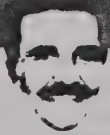
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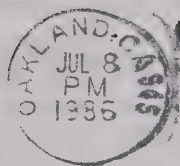
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# THE BLOWN FUSE



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## **COMING EVENTS**

JUL 11	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: Field Day Review
AUG 8	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: Home Brew Night

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## E.B.A.R.C. TO REVIEW FIELD DAY 1986 AT FRIDAY MEETING

Another successful chapter in the history of the East Bay Amateur Radio Club was written Saturday, June 28, at Field Day 1986, according to Field Day Committee Chairman Mike Young (K6MBV). In recent years, the Club's Field Day effort has rebounded from what were, admittedly, rather lean efforts to an enjoyable, well-attended event. This year was no exception.

What made Field Day 1986 so successful? A club such as ours is by definition open to anyone with an interest in amateur radio. This separates the E.B.A.R.C. from such clubs as repeater groups, contest clubs, etc. Therefore, during an event such as Field Day, there can be friction between the "socializers" and the "serious contesters." In previous years, our Field Day efforts were seen by some as being perhaps too much a social event. This year, however, Field Day retained its camaraderie, at the same time that station operators were encouraged to go full bore for points. Mike told THE BLOWN FUSE that this year, for the first time in several years, the Club's point total will be something to take pride in.

At the time this article went to press, point totals and the names of the participants were unavailable. However, Program Chairman Rich Fish (N6IIW) encourages all members to attend the upcoming Club meeting FRIDAY, JULY 11, at 8:00 PM for a complete review and critique of Field Day 1986. Pictures and slides will be shown.

## INCORPORATION COMMITTEE PREPARING DOCUMENTS FOR I.R.S. REVIEW

The ad-hoc committee formed to achieve incorporation of the East Bay Amateur Radio Club and secure tax-exempt status at both the Federal and State levels is winding up its initial effort, according to Chairman Al Streit (KG6HF). EBARC Treasurer Gordy Parsons (NU6W) is in the midst of preparing Club financial statements for the past three years (in order to document sources and uses of funds), and expects to have them completed soon. At that time, the applications will be mailed to the appropriate agencies for review.

## CLUB PLANS "HOME BREW" NIGHT FOR AUGUST MEETING

First Vice President and Program Chairman Richard Fish (N6IIW) has told THE BLOWN FUSE that the general membership meeting on August 8 will feature "home brew" exhibits by Club members. Therefore, all E.B.A.R.C. members are invited and encouraged to bring amateur radio equipment which they have built or assembled themselves, so that others may learn from their efforts (and admire the results, too).

While it is true that, as technology advances, the percentage of home-made ham radio gear is rapidly declining, there are still hams who enjoy the challenge of designing and building their own gear. The East Bay Amateur Radio Club wishes to salute members who remain part of this fine tradition.

If you wish to display your equipment at the August meeting, and need more information, please contact Rich at (415) 799-1230.

## A.R.R.L. 1986 CONVENTION DRAWS NEAR

The 1986 convention of the American Radio Relay League will be held September 5, 6, and 7 in San Diego, according to convention chairman Walt Hicks (W6UZZ). The meeting site is the Town & Country Hotel and Convention Center. The convention is being hosted by the San Diego County Amateur Radio Council, which has selected "Amateur Radio in Public Service" as its theme.

The full range of ham radio interests and activities will be featured, from authentic spark gap transmitters to ham radio in space. Astronaut Tony England (W0ORE) will lead a blue ribbon panel of amateur radio experts as they address a gathering of hundreds of teenagers who are showing interest in our hobby. A number of side trips to popular attractions in San Diego and Tijuana are also planned.

For further information, call the Convention Information Hotline: (619) 292-7918. A convention schedule and registration form is provided on Page 4.



AL STREIT (KG6HF) TO RESIGN AS  
BLOWN FUSE EDITOR

Effective December 31, 1986, I shall resign as Chairman of the Publications Committee, the official name for the editor of THE BLOWN FUSE. The final issue under my stewardship will be the December, 1986 issue.

I have observed that those who are new to organizations and not part of the "establishment" often feel that new blood, fresh ideas, and wholesale changes are in order. If successful in obtaining positions of responsibility, however, the same persons begin to argue against change, citing the need for experience, continuity, tradition, etc. I have tried to avoid this route.

The East Bay Amateur Radio Club has attracted a large number of new members over the past two years. Repeated mention of this in THE BLOWN FUSE was not mindless boosterism. I sincerely believe the Club is in much better shape than it was two years ago. The new faces in positions of leadership are testimony to this fact. After two years of my editorship, plus nearly one year prior assisting the former editor, Dave Tyler (N6DRT), it is time for the Club to get another infusion of new blood---and perhaps a better newsletter as a result!

This announcement is being made now, in hopes of producing a smooth, orderly transition for the Club during this period. THE BLOWN FUSE editorship involves not only writing of articles, but having the newsletter printed and mailing it as well. As noted, I spent several months handling the printing and mailing chores before taking on the full editorship responsibilities in January, 1985. This better prepared me for these responsibilities. If, instead, I were to have waited until October or November, when the Nominating Committee began its job of selecting officers and committee chairmen for 1987, precious time would have been lost.

Anyone interested in taking on any part of this responsibility in 1987 may call me at (415) 526-5743. It is noted that this does not have to be a one-man (or woman) job.

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Even before arriving, the advantages of its new location are readily felt. For one thing, it is easier to get to. The new Base Station is within two blocks of the Concord BART station. Arriving by car, take the Concord Blvd. exit off Highway 242, turn left at East Street, go 1/2 block and park in the lot immediately to the rear of the store, located on the left side of the street (directly across East Street from Sattler's Appliances).

The store itself is about twice the size of the old one. The Base Station's president, Art Mayoff (VE2AQV), plans to increase his stock of Yaesu amateur radio products and other equipment of interest to hams. He feels the timing of the move is of particular advantage in that Yaesu is preparing to introduce several new products, including a dual band (2m/70cm) handheld transceiver and a microprocessor controlled 220 MHz handheld as well. Of course, The Base Station will stock both radios.



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1830 Dinner Dance Cruise  
2100 Exhibits Close

## Saturday September 6

0700 Registration Open  
0730 International  
Breakfast  
0900 Exhibits Open  
0900 Tech Sessions &  
Forums Start  
1130 Ladies Luncheon  
1300 Old Town & Tijuana  
Shopping Tours  
1300 WORE Youth Forum  
1600 ARRL FORUM  
1700 Exhibits Close  
1830 Social Hour  
1930 Banquet  
Midnight Wouff Hong

## Sunday September 7

0700 Registration Open  
0800 DX Breakfast  
0800 Other Special  
Interest Breakfasts  
0900 Exhibits Open  
0900 Tech Sessions &  
Forums Start  
1200 Exhibits Close  
1200 Closing Ceremony  
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Drawings  
1300 Convention Closes  
1300 "T" Hunt Starts

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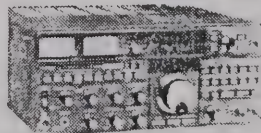


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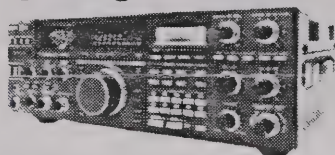
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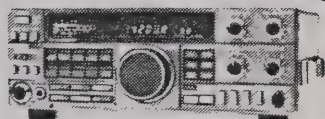
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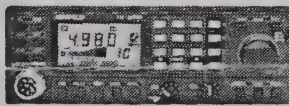
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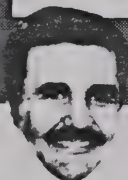
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## **COMING EVENTS**

AUG 8	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: Home Brew Night
SEP 12	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: National Traffic System
OCT 10	8:00 pm	EAST BAY A.R.C. MEETING
		W6OLN Raffle!

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## MIKE YOUNG (K6MBV) ANNOUNCES 1986 FIELD DAY RESULTS

Field Day Chairman Mike Young (K6MBV) stole the show during the July 11 meeting of the East Bay Amateur Radio Club when he announced the results of the Club's Field Day effort. The unofficial tabulation showed the EBARC with 3,104 total points, a score which promises to place our Club much higher than had ever been hoped for previously. Based on last year's results, a score of 3,104 would rank 70th in Category 3A among the thousands of Field Day stations in the USA and Canada!

Point tabulation was as follows:

Band	CW QSOs	Phone QSOs
80	66	122
40	49	119
20	256	90
15	99	104
10	--	10
6	--	4
2	--	19
Misc.	9	4
Novice	59	-
Total	538	476

Total CW QSOs:  $538 \times 2 = 1,076$

Total Phone QSOs:  $476 \times 1 = 476$

Total QSO points 1,552

DC input multiplier:  $\times 2$  for input less than 200 watts but more than 10 watts.

QSO points:  $1,552 \times 2 = 3,104$  Claimed Score

The total does not include Bonus Points we expect to have earned for 100% emergency power, publicity (West County Times and Oakland Tribune), WIAW Field Day message, and a packet station.

It cannot be stressed enough the work that went in to this successful effort. In the past, Field Day has been sparsely attended because too many members felt it was for contesters only. Other years have seen the Club's best operators turned off by what they view as too much party and not enough radio. Finding the middle ground is a difficult task: it is easy to wind up alienating both elements. The EBARC sends a well-deserved round of thanks to Mike for orchestrating this highly successful events, and to all who participated.

## EBARC URGES FCC OK OF NOVICE NPRM

The general membership of the East Bay Amateur Radio Club voted at the July 11 meeting to urge F.C.C. approval of the Notice of Proposed Rule Making 86-161. If enacted, this proposal would extend to Novices voice privileges on the 220-MHz and 1200-MHz bands, SSB and CW privileges from 28.3 to 28.5 MHz, and CW and digital privileges from 28.1 to 28.2 MHz. It provides also for expansion of the Novice written exam (Element 2). Once more, NPRM 86-161 does not provide for elimination of the Morse code requirement.

This is a highly controversial proposal, as was reflected in the debate. Opponents of NPRM 86-161 felt that it would remove much of the incentive to upgrade. It was stated that mastery of the material in Element 3 (General level written exam) was essential to operation of an amateur station. Those in favor of NPRM 86-161 believe that greater incentives are needed to encourage non-licensees to get Novice licenses in the first place, and to use their Novice privileges once earned.

Perhaps more significant than any argument for or against was the fact that the Club's Education and Upgrading Committee members, Don Waits (WD6DLR) and Sherrick Slattery (KA6NZB) expressed their unqualified support of this proposal. These men conduct the classes in which Novice privileges are earned, and as such must deal with the very real perception that the Novice license affords one dubious privileges at best.

The Club first defeated a motion to oppose the Novice NPRM by about a 2-1 margin. A like margin then approved the motion to support the proposal. A significant number of abstentions were noted. Dave Tyler (N6DRT) will present the Club's resolution to the ARRL Pacific Division meeting.



## GENERAL MEETING MINUTES

June 13, 1986

## THE BASE STATION

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The regular meeting of the East Bay Amateur Radio Club was called to order at 8:07 pm by President Bob Wheeler (KF6PD).  
Secretary & Treasurer: The May Treasurer's Report and the General Meeting Minutes for April and May were accepted as printed in THE BLOWN FUSE.

Guests: Luis Barragan (WA6JND) and Mike Khoury (KG6WH).

Upgrades: Craig Jordan (KB6EJL) and Tim Howe (KB6MSV) have both upgraded to Technician class.

Future Meetings: The question of cancelling the regular meetings in July and August was raised but the general feeling was in favor of holding them as usual.

Digital Radio: Rich Fish (N6IIW) reported that Don Simon (NI6A) has formulated a new program for the East Bay Packet Radio Association.

Public Service: Fred Sill (KA6KZT) reported a need for operators to help with safety and traffic control at the Juneteenth Parade on Saturday, June 14th.

History: Don Dunn (K6BJJ) requested that extra or unwanted copies of THE BLOWN FUSE from the last few years be donated to the Club History File.

Education: Tony Slattery (KA6NZB) reported that the Alameda Adult School is planning an upgrade class to be held soon.

Program: Field Day Chairman Mike Young (K6MBV) led a discussion of the planning for this year's Field Day outing. Mike described the site and said written authorization from Chevron Land Development was "in the mail". Joe Lee (WB6DOB) made lists of members wishing to operate and also food items for a pot luck dinner. Bob Fabry (N6EK) described the new log and dupe sheets and procedures to be used this year. Arrangements for equipment, communications, security, and publicity were also discussed.

A refreshment break was held during the Field Day presentation and the meeting was adjourned at 10:36 pm.

John Percival (WI6O), Secretary

### TREASURER'S REPORT - JUNE, 1986

#### June Income:

A.R.R.L. renewal: Dick Crooke (KB6JEC)	\$ 25.00
Coffee Kitty	23.32
Station Fund	6.00
Total June Income:	\$ 54.32

#### June Expenses:

A.R.R.L. renewal (KB6JEC)	\$ 23.00
Total June Expenses:	\$ 23.00

#### Central Bank Accounts - May 3, 1986

Savings (Station Fund)	\$640.17
Checking (General Fund)	\$779.35

We had an excellent response to the Coffee Kitty crisis this month. We can rest assured that the cookies will continue to come. Thank you for your support.

The Chevron Land Development Company returned check #242, saying that we didn't have to pay them the \$1 fee this year for the use of the Field Day site.

Thank you, Dick Crooke (KB6JEC), for renewing your A.R.R.L. membership through the EBARC. We get a \$2 commission when our members do it this way.

Remember to feed the Kitty!  
Gordon Parsons (NU6W), Treasurer



## HOUSE PASSES ELECTRONIC COMMUNICATIONS PRIVACY ACT BILL

On June 23, 1986, the U.S. House of Representatives, by a voice vote, passed the Electronic Communications Privacy Act bill. On June 10, the bill had been favorably reported out of the House Judiciary Committee, where the number of the bill was changed from HR 3378 to HR 4952, by a vote of 34-0. In the Senate, Senator Patrick Leahy (D-VT) has introduced an identically worded bill, S.2575, for consideration by the Senate Subcommittee on Patents, Copyrights, and Trademarks. It is expected that the Subcommittee will act on S.2575 sometime after mid-July.

(ARRL Letter, July 7, 1986)

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### ARRL TO DROP PLANS FOR CALLSIGN ISSUING

The American Radio Relay League has apparently dropped its plans to request permission from the Federal Communications Commission to take over all or part of the responsibility for issuing amateur callsigns. Although there has been no official announcement to this effect, League officials have been quietly informed of this fact. This is according to Don Simon (NI6A), responding to questions from the EBARC membership during the July meeting.

Many hams have never accepted the current callsign program begun in the late 70s. The so-called "two-by-one" and "two-by-two" calls are especially disliked. Many newcomers to the hobby feel cheated that they never had a "real" callsign. Formerly, the F.C.C. would reissue callsigns of amateurs who had either died or allowed their licenses to lapse. Thus, every ham had a sporting chance to get a one-by-two or one-by-three "W" or "K" call. This was a costly procedure, especially in an era of deregulation.

In response to these sentiments, the ARRL requested permission from the FCC to reissue callsigns and issue "special" calls, i.e. unofficial callsigns of the amateur's choice which could be used for identification purposes. When the F.C.C. had no objection, however, the League apparently discovered for itself that the cost involved would be prohibitive. Hence, with no fanfare, the ARRL has quietly put this plan to rest.

---

## TONY HIRTH (WB6QGJ)

(1911-1986)

### SILENT KEY

East Bay Amateur Radio Club member Anton A. "Tony" Hirth (WB6QGJ) passed away early in the morning of Saturday, July 26. Tony was well-known to long-time EBARC members, who remembered him as the reliable person that he was. In years past, he could always be seen at Field Day, helping to set up Saturday morning and tear down on Sunday.

Tony was a strong supporter of the amateur radio service in spite of the fact that his participation was limited by physical impairments and a natural shyness. He obtained a Novice license many years ago, but hearing problems prevented him from becoming more proficient at CW. In recent years his eyesight declined, keeping him from attending Club meetings. Regardless, he always kept up his EBARC and ARRL dues. Tony also belonged to the old Richmond Radio Club. We will miss Tony.

---

### SWAP SHOP

FREE to any new ham of limited resources -- assorted amateur needs including publications, vertical antennas, new & used coax with & without PL259s, insulators, etc. Corwin Roberts (WI6L) 524-4190.

FOR SALE: QST magazines 1979-1983, \$10. Also one year of 73 magazine (12/83 - 11/84), \$5. One unused QST binder \$5. Corwin Roberts (WI6L) 524-4190.

MFJ Signal Enhancer for HF (CW/SSB). For price call Joe Lee (WB6DOB) 724-0533.

WANT old telegraph keys and semi-automatic Keyers, e.g. Vibroplex, MacDonald, Speedex, Thomas, Martin, etc. for collection. Joe Lee (WB6DOB) 724-0533.

B&W AS-80 78' trap dipole antenna for 20-40-80 meters, \$25. Good for limited space. Al Streit (KG6HF) 526-5743.

---



## TREASURER'S REPORT - JULY, 1986

### July Income:

Auction Sales	\$ 74.75
Advertising - The Blown Fuse:	
Ham Radio Outlet (Jun 11 86)	30.00
The Base Station (Jun 18 86)	9.00
Coffee Kitty	15.25
Station Fund	3.00
Total June Income:	\$132.00

### July Expenses:

Blown Fuse Printing (June)	\$ 38.34
Blown Fuse Postage (June)	19.80
Blown Fuse Printing (July)	28.76
Blown Fuse Postage (July)	19.58
Refreshments	24.27
ICOM IC27H	350.00
Total July Disbursements	\$480.75

### Central Bank Accounts - August 4, 1986:

Savings (Station Fund)	\$367.92
Checking (General Fund)	\$702.85

The new ICOM IC27H to be used at the Richmond Red Cross took a big bite out of the savings account, but the July auction, in which Carl Clark contributed much to the merchandise, helped to offset the cost of the new radio. Special thanks to Don Stiver for making the purchase and personally paying the tax part of the cost.

Remember to feed the Kitty!

Gordon Parsons (NU6W), Treasurer

## STAFFORD TO SPEAK AT FOOTHILL

Saturday, August 9, 1986, 10:00 - 11:30 am, ARRL Pacific Director Rod Stafford (KB6ZV) will be speaking on the recent ARRL Board meeting and other topics of interest to hams. All hams are invited to attend this meeting and we encourage you to come and participate. Bring your questions, opinions, complaints, and ideas to this meeting.

The meeting will be held in the multi-purpose room at the Foothill Electronics Museum, 12345 El Monte Road, Los Altos Hills, on the Foothill College campus near Parking Lot B. Talk-in frequency: 145.27 MHz. Take I-280 North or South to El Monte Road/Foothill College exit and go toward the hills. This meeting is being sponsored by the Central California Radio Council. There will be no admission charge.

## E.B.A.R.C. PROGRAM NOTES

by Rich Fish (N6IIW), EBARC Program  
Chairman

## AUGUST 8, 1986 - HOMEBREW NITE

John Billones (WD6GGC) and Mike Kan (KB6IRQ) will be among the East Bay Amateur Radio Club members who will be displaying and explaining their homebrew radio equipment at our monthly meeting.

John will show his homemade station accessories that will be sure to surprise everyone about the source of his raw materials!

Mike will demonstrate and explain his homebrew portable transceiver.

All other Club members are welcome to bring some of their homebrew gear, too, to share with other interested equipment builders.

After the break, please stay to view the A.R.R.L. videotape production, "Signal to Noise Story."

## SEPTEMBER 12, 1986 - K6APW AND THE NATIONAL TRAFFIC SYSTEM

If you read the recent Pacific Division News in QST, and were puzzled by the scores:

...WB6DOB 109, K6APW 76, WB6UZX 52, NI6A  
27...

then come hear Jim Johnston (K6APW) of Albany explain the mysteries behind CW nets and traffic handling.

Jim is the new East Bay Section Traffic Manager, and will be explaining how the National Traffic System (NTS) functions. He will try to answer all your questions. If you're interested in participating or joining a training net, too, then Jim is the man to talk to. So, join us on Friday night, September 12, at 8 pm to welcome Jim to our meeting.



## LOOK FOR W6OLN RAFFLE THIS WINTER

By Rich Fish (N6IIW)

Long-term E.B.A.R.C. friend Dick Gray (W6OLN) of Berkeley has donated over \$1,000 of amateur gear and solid state test equipment to be raffled to Club members. Proceeds will be distributed to Club funds as determined by the membership.

Club President Bob Wheeler (KF6PD) has appointed a special Raffle Committee consisting of himself, Don Simon (NI6A), Rich Fish (N6IIW), Al Streit (KG6HF), and Gordy Parsons (NU6W). Tentative plans are for three Grand Prizes to be drawn during the months of October, November, and December, 1986. The Grand Prizes are:

- (1) HEATHKIT six-piece solid state test lab, including a 5-MHz oscilloscope.
- (2) HEATHKIT Station Solid State Twins (HR-1680/HX-1681).
- (3) DRAKE Station Twins (T4XC/R4C), complete with Sherwood Filters/XTALs.

One Grand Prize will be raffled at the Club meeting each month. In addition, more than forty consolation prizes, ranging from a priceless McElroy Semi-Automatic Bug to homebrew ham items, will be drawn too!

The Raffle Committee will determine shortly the ticket prices and rules for the drawings. Watch THE BLOWN FUSE for a list and complete description of the Prizes. We plan to sell tickets by mail to Club members who can't attend meetings, and winners need not be present to win. Dick stipulates that ONLY EBARC MEMBERS ARE ELIGIBLE to buy raffle tickets! If any lapsed or future EBARC members are interested in this Bonanza, renew your membership or join now to be eligible for the drawings.

All EBARC members and other interested parties are strongly urged to attend the August 8 membership meeting. At this time, additional details will be made public. Also, the Raffle Committee will ask the membership to establish the price of the tickets. BE THERE!

## INCORPORATION COMMITTEE PREPARES FILINGS

The Ad-Hoc Committee on Incorporation is making final preparations for filing the applications for tax-exempt status at the Federal and State levels, as well as actual incorporation.

For the uninitiated, there is a myriad of filing requirements inherent in all three applications. EBARC Treasurer Gordy Parsons (NU6W) has had the unenviable task of preparing financial reports for the past three years, reports which are required by the I.R.S. Gordy is pleased to announce that this work has been completed and turned over to fellow Committee Member Al Streit (KG6HF) for filing.

It is anticipated that all forms will be completed and filed by August 15, and it is hoped that the "East Bay Amateur Radio Club, Inc." will have achieved tax-exempt status shortly thereafter.

## E.B.A.R.C. NOMINATED FOR "CLUB OF THE YEAR"

EBARC Executive Board Member Don Simon (NI6A) has placed in nomination before the ARRL the name of the East Bay Amateur Radio Club for Club of the Year. Don made this announcement at the July 11 membership meeting. Don has prepared a well-written six-page statement outlining his reasons in support of the EBARC. This statement highlights the Club's history of public service activities, including communication during the Mexican Earthquake, Northern California floods, fires, CDF activity, etc. He also mentions the recent growth of our Club, and the increased active participation of its individual members.

Unfortunately, it would not do justice to this statement to condense it in order to facilitate publication. If possible, given space requirements, it will be published in entirety over the next few months.

The EAST BAY AMATEUR RADIO CLUB is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

The East Bay Amateur Radio Club maintains two Club Stations: The W6EJA Memorial Station is located at the Salvation Army Chapel, 1110 36th Street, Richmond. The WA6JSO Memorial Station is located at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (WI6D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P)	653-1650
Don Dunn (K6BJJ) Historian	526-7136
Carl Eastman (KA6DLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	232-9492
Don Simon (NI6A)	237-1381
Sherrick Slattery (KA6NZB) Radio Interference Chairman	893-4008
Don Stiver (N6EEG) Club Station Chairman	233-5846
Jave Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	Thurs	1900	145.110
Northern Alameda County ARES Net	Thurs	1915	147.540
Contra Costa Communications Club Net	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Thurs	2000	146.880
"Over the Hill Gang" Breakfast/Commute Net	Mon-Fri	0710	145.110
Northern California Net VHF Session	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for September issue: Saturday, August 30. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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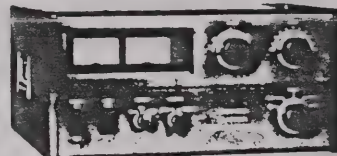
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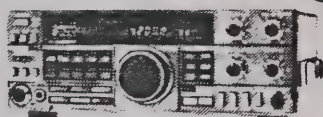
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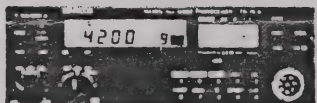


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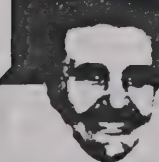
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## **COMING EVENTS**

SEP 12	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: National Traffic System
		Speaker: Jim Johnston (K6APW)
OCT 10	8:00 pm	EAST BAY A.R.C. MEETING
		Topic: ARRL Issues and Policies
		Speaker: Rod Stafford (KB6ZV)
		W6OLN Raffle!

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## GENERAL MEETING MINUTES

July 11, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 8:02 pm by President Bob Wheeler (KF6PD).

Guests: Al Norman and Robert L. Williams (KA6AWL).

Upgrades: Tim Howe recently upgraded to Technician and has received a new callsign, N6NVD. Novice callsigns have been issued to Regina Burke (KB6MWP) and Russ Hutton (KB6NDF).

Digital and Program: Rich Fish (N6IIW) reported the Packet Mailbox is back in operation at the Richmond Red Cross station. Rich also announced that the program for the August meeting will be "Homebrew Night", with Club members showing equipment they have built.

Public Service: Dave Tyler (N6DRT) reported that the CDF fire patrol on July 4th was successful and that it may ask for additional patrols when conditions are hazardous.

Club Station: Don Stiver (N6BEG) reported that the Club Station Committee has purchased an IC-27H with the \$350.00 authorized by the membership. The rig will be set up at the Richmond Red Cross station.

Membership: Al Streit (KG6HF) announced the Club now has 80 members. Al will retire as BLOWN FUSE editor at the end of the year and asked for people to consider taking the job. John Billones (WD6GGC) expressed interest if help will be available.

New Business: President Bob Wheeler asked the Club if it desired to take a position on the ARRL's proposal to expand operating privileges of Novice licensees. A motion was made to make known to the Pacific Division leadership the EBARC's opposition to the proposal for Novice privilege expansion. It was defeated by a vote of 13-7. A second motion was made to have our Club support the ARRL proposal. This motion passed by a vote of 18-8. Carl Clark (WA6KTL) informed the members that Muriel Hunter (WD6FRP) has been very ill, and suggested that a greeting card to her would be a nice gesture.

Field Day Review: Field Day Chairman Mike Young (K6MBV) reported that our Field Day score was 3,104 points (not counting bonus points). In complimenting the Club for its effort this year, Mike said last year's point total was only 1,518. The Club members expressed great appreciation for Mike's leadership as Field Day Chairman.

The meeting was adjourned at 9:30pm for refreshments and an auction of items donated by Carl Clark.

John Percival (W16O), Secretary

## GENERAL MEETING MINUTES

August 8, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 8:05 pm by President Bob Wheeler (KF6PD).

Guests: Steve de Caccia (KB6LGA), Al Norman, and Corwin Westwick (ex-K6JVC).

Upgrades: Richard Fish (N6IIW) has upgraded to Advanced.

Secretary & Treasurer: The June General Meeting minutes and Treasurer's Report for July were accepted as printed in THE BLOWN FUSE.

Public Service: Dave Tyler (N6DRT) has registration forms for the ARRL National Convention to be held in San Diego September 5-7. Dave made known the Club's support for the ARRL's Novice privilege expansion proposal at the Pacific Division Cabinet Meeting. A training session on emergency operating procedures and message handling will be given at the Consolidated Fire Training College in Concord on Sunday, September 14 at 12:00 noon.

Digital Radio: Rich Fish said that a meeting of the packet radio group would be held soon; date and time to be announced.

New Business: Don Simon (N16A) said Joe Lee (WB6DOB) can order hats with "EBARC" and callsign (price \$4-\$5) if enough interest is shown. Don Dunn (K6BJJ) suggested that we start a program of assisting Novices and Technicians with scheduled CW contacts for on-the-air practice.

Program: Rich Fish said September's program will feature Jim Johnston (K6APW) speaking about CW traffic handling nets.

Homebrew Night: The evening's program consisted of "home brew" projects built by Club members. Mike Kan (KB6IRQ) showed a solid state QRP transceiver for 80 meters, and two small in-line filters for improving the rejection of out-of-band signals on 2 meters, including areas near commercial transmitters. Mike also showed an easy way to strip coax outer jacket using fine dacron string. Next, John Billones (WD6GGC) described his homebrewed one-tube transmitter for 40 meters, a companion QRP antenna tuner, dummy load, and solid state receiver. John has also built his own Key and headphone "cans". Dave Pugatch (KB6MZA) showed a homebuilt roller inductor antenna tuner capable of handling 2kw or more.

The meeting adjourned at 9:10pm for refreshments and an auction of items donated by visitor Corwin Westwick, and the showing of videotape about wire antennas.

John Percival (W16O), Secretary

ARRL PACIFIC DIVISION  
CABINET MEETING HELD

Pacific Division Cabinet Meeting was held at the Marin Amateur Radio Club clubhouse on July 19, 1986. Rod Stafford (KB6ZV), the Pacific Division Director, presided at the meeting. Rod said that he had not forgotten his promise to produce a monthly report for affiliated clubs. This has not yet been done, but it is hoped that it will get off the ground shortly.

Two big issues on the agenda for the A.R.R.L. Board meeting are (1) enhanced privileges for Novices and (2) the issuance of callsigns by the A.R.R.L.

As to Novice enhancement, most people at the meeting thought that some kind of enhancement would be beneficial to amateur radio. Some reservations were expressed about having the Novice license renewable indefinitely and the majority vote was to limit the term of the Novice license.

Most in attendance believed that the League should stay out of the callsign issuance business, but that the F.C.C. should be encouraged to issue, probably for a fee, new club licenses and preferential callsigns. It was felt that were the A.R.R.L. to issue callsigns, ill will could result from people who did not get the callsign they requested.

Rod announced that Kip Edwards (W6SZN) had resigned as Vice Director. His replacement will be Jim "Knock" Knochenhauer (K6ITL).

Rod is compiling a Division Directory of elected officials, appointees, and clubs. He feels he cannot rely on A.R.R.L. Headquarters records. Others related horror stories of trying to get accurate information from Headquarters.

Finally, Bob Smith (NA6T) reported that packet radio is on 145.01 MHz in Northern California, but that links to the Bay Area still need to be implemented.

(From Nuts & Volts, August, 1986)

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### TREASURER'S REPORT - AUGUST, 1986

#### August Income:

Auction Sales	\$ 72.45
A.R.R.L. Membership (Dave Pugatch KB6MZA)	25.00
Coffee Kitty	13.85
Station Fund	3.00
Total August Income:	\$114.30

#### August Disbursements:

A.R.R.L. Membership (Dave Pugatch KB6MZA)	\$ 23.00
Refreshments	11.99
Total August Disbursements:	\$ 34.99

#### Central Bank Accounts:

Savings (Station Fund)	\$452.08
Checking (General Fund)	\$706.71

We had another very successful auction this month as you can see. Perhaps this month's brisk sales of junk and other previously-owned equipment was inspired by John Billones' exhibition of "Home Brew" Equipment that he built, especially his ear phones---a couple of tin cans with 8-ohm speakers in them! Now everyone wants to build something.

Thanks to Dave Pugatch, the Club's newest licensee, KB6MZA, for joining the American Radio Relay League. The Club gets a \$2 commission for new memberships or renewals.

Remember to feed the Kitty!

Gordon Parsons (NU6W), Club Treasurer



\*\*\*\*\*

## W6OLN RAFFLE

### EAST BAY AMATEUR RADIO CLUB

\*\*\*\*\*

#### Three Monthly Drawings

Prizes Donated by W6OLN Totaling More than \$1000

#### Three Grand Prizes:

10/10/86 - Heathkit Solid State Lab Instruments

11/14/86 - Heathkit Solid State Twins (HR-1680/HX-1681)

12/12/86 - Drake Twins (T4XC/R4C)

More than Forty Consolation Prizes to be Raffled too!

Tickets \$3.00 each/4 for \$10.00/10 for \$20.00; Every Ticket  
Eligible for each Prize.

Tickets Available only to EBARC members; so renew or join now!

#### RULES

1. Tickets to be sold only to 1986/1987 East Bay Amateur Radio Club Members.
2. Drawings will be held at EBARC regular monthly meetings during the months of October, November, and December, 1986.
3. Winners will be notified immediately and need not be present to win.
4. Each ticket holder is eligible for every prize.
5. EBARC Members may purchase tickets at club meetings or by mail from the Club P.O. Box 6211, Albany, CA 94706. Checks-only by mail please (no cash), made payable to "East Bay Amateur Radio Club". All check orders received by 5:00 PM on the Friday one week before the Drawing will be entered for that and any remaining Drawings.
6. Decisions of the EBARC Raffle Committee will be final in all matters.

## PROGRAM NOTES

by Rich Fish (N6IIW)

### September 12, 1986 - Reminder, Don't Miss!

K6APW presentation on the National Traffic System.

W6OLN Raffle tickets go on sale; Come and view the Grand Prizes and buy your tickets.

### October 10, 1986

Rod Stafford (KB6ZV), ARRL Pacific Division Director, will visit our Club and discuss current League issues and policies. Rod is one of only 13 Division Directors, so here is a chance for East Bay Club members to input directly their views on such issues as Novice Enhancement Privileges, Local Antenna/RFI matters, the V.E.C. licensing program, ARRL call sign issuing, etc.

First W6OLN Raffle Contest Grand Prize to be won! See the winners of the Solid State Heathkit Test Lab and the other consolation prizes. Be sure to have your tickets in the basket for the drawing; come early to buy more during the meeting and not miss Rod Stafford.

### November 14, 1986

World Premier of WA6TNI's videotape presentation of EBARC's 1986 Field Day effort. Harry Bier has finished editing his extensive videotape filming of our successful June Field Day contest. Come review our Club's activities and see yourself on camera.

W6OLN Raffle continues as the second Grand Prize is raffled off - the Solid State Heathkit Twins Station, along with more consolation prizes.

## ARTICLES OF INCORPORATION FILED

On Saturday, September 6, the East Bay Amateur Radio Club took another step toward its goal of achieving status as a tax-exempt corporation when proposed Articles of Incorporation were sent to the California Secretary of State's office for filing. This filing was the result of several months' work on the part of Incorporation Committee members Al Streit (KG6HF), Gordy Parsons (NU6W), and Bob Wheeler (KF6PD).

The lengthy application to the Secretary of State explains in detail the purpose, history, goals, and activities of EBARC, and why it should qualify as a charitable organization. Financial statements encompassing the past three and one-half years were prepared also. The Secretary's office will examine the proposed Articles of Incorporation to ensure that they meet the requirements for a tax-exempt corporation. If they qualify, the Secretary will file the Articles (thus giving EBARC corporate status) and forward the application to the Franchise Tax Board, which will grant the tax-exempt status at the State level.

A simultaneous filing was made also to the Internal Revenue Service. This application is for tax-exempt status at the Federal level, and duplicated the extensive filing requirements of the State application. If everything goes with no further hitches, the process should take 4-8 weeks.

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## VOLUNTEERS NEEDED FOR BLOWN FUSE

The current Editor of THE BLOWN FUSE, Al Streit (KG6HF), will resign after producing the December, 1986 issue. Therefore, if there is to be a Club newsletter in 1987, volunteers are needed.

John Billones (WD6GGC) told the EBARC during the July membership meeting that he is willing to take on the layout and design work in 1987. This means that people are still needed to write the articles (and hopefully improve the quality thereof!).



## CAPTAIN MIDNIGHT (KA4WJA) NABBED BY F.C.C.

A member of the amateur radio fraternity had the somewhat dubious distinction of grabbing national headlines in late June when John R. MacDougall (KA4WJA), a Technician class licensee from Ocala, Florida was unmasked as the nefarious "Captain Midnight". MacDougall has been charged with illegally operating a satellite uplink transmitter to intentionally interfere with the satellite television programming of Home Box Office (HBO), a subsidiary of Time-Life, Inc., a multinational media conglomerate.

According to the ARRL Letter of August 4, 1986, MacDougall allegedly overrode HBO's transmissions to the Galaxy I satellite during the April 27 airing of "The Falcon and the Snowman" with his own video transmission at approximately 12:30 am EST. The transmission consisted of a color-bar pattern with a message to HBO and other cable TV networks who scramble their transmissions protesting high monthly charges. The transmission lasted over 4 1/2 minutes and was seen by viewers over the eastern two-thirds of the USA.

After careful analysis of videotapes by the FCC, it was concluded that the interference was transmitted from a professional satellite uplink facility having an antenna of at least seven meters in diameter using a specific make and model of character generator.

The Field Operations Bureau of the F.C.C. surveyed some 580 licensed satellite uplink facilities with antennas large enough to override HBO transmissions. The Central Florida Teleport at Ocala was the only surveyed facility with the proper combination of equipment, power, and availability for use at the time of the interference. MacDougall was the operator on duty. He was fined \$5,000 and must surrender his amateur license for the remainder of its term.

While THE BLOWN FUSE certainly neither encourages nor condones willful violation of any law, it is interesting to consider the Captain Midnight case in the context of larger issues in the world of communications.

Amateur radio licensees have played a disproportionate role in the development of the home satellite TV industry. The first home satellite dish was hand-made in the mid-1970s by an American ham who was living in the West Indies, thus proving there is at least one modern ham who is more than an appliance operator! Others have put their knowledge of communications and electronics to work during the intervening years in furthering product development. Those who may wonder what ever happened to the Drake company will be happy to learn that Drake is now a leading manufacturer of home satellite TV equipment. Still, the industry is basically a motley collection of "mom-and-pops", selling their wares to a largely rural clientele not served by cable TV or, in many cases, by local TV stations either. (MacDougall was one of these mom-and-pops, owning a satellite dish sales firm which has not fared well since the advent of scrambling.)

In contrast, cable TV franchises have increasingly come under the ownership of large media corporations. With millions of dollars invested, they have long advocated the use of legal or other means to cripple the home satellite dish industry. At one point, they attempted to make it illegal to own a satellite dish, not unlike today's effort by the cellular telephone industry to outlaw certain VHF/UHF scanners. With corporate interests similar to those of many of the major cable TV stations, it is not hard to understand why cable TV stations might favor cable TV franchisees over satellite dish owners.

The whole issue of scrambling is complex, and it will be left for the reader to make up his own mind as to whether "Captain Midnight" was a hero or a criminal, or something of both. What is true is that this issue is one more indication that the communications industry is changing rapidly, that the airwaves are being viewed as extremely valuable pieces of property, and that amateur radio cannot remain oblivious to these changes.

The **EAST BAY AMATEUR RADIO CLUB** is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

The East Bay Amateur Radio Club maintains two Club Stations: The W6EJA Memorial Station is located at the Salvation Army Chapel, 1110 36th Street, Richmond. The WA6JSO Memorial Station is located at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

### 1986 EAST BAY AMATEUR RADIO CLUB EXECUTIVE BOARD

Bob Wheeler (KF6PD) President	483-6724
Rich Fish (N6IIW) First Vice President, Program Chairman, Digital Communications Chairman	799-1230
Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (WI6D) Secretary	232-8111
Gordy Parsons (NU6W) Treasurer, Fund Raising Chairman	785-4290
Betty Baldo (KB6P)	653-1650
Don Dunn (K6BJJ) Historian	526-7136
Carl Eastman (KA6DLK)	237-2621
Peter Gaposchkin (KB6WC) Publicity Chairman	527-1232
Joe Lee (WB6DOB) W6CUS Trustee, Awards Chairman	724-0533
Leo Lewis (WA6ZFU)	232-9492
Don Simon (NI6A)	237-1381
Sherrick Slattery (KA6NZB) Radio Interference Chairman	893-4008
Don Stiver (N6EEG) Club Station Chairman	233-5846
Dave Tyler (N6DRT) Public Service Chairman	525-6200
Don Waits (WD6DLR) Education Chairman	529-1785
Ge Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	Thurs	1900	145.110
Northern Alameda County ARES Net	Thurs	1915	147.540
Contra Costa Communications Club Net	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Thurs	2000	146.880
"Over the Hill Gang" Breakfast/Commute Net	Mon-Fri	0710	145.110
Northern California Net VHF Session	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for October issue: Saturday, September 27. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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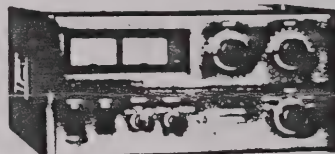
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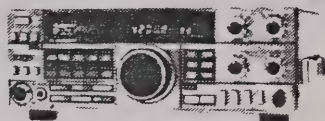
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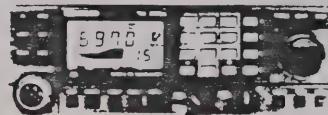
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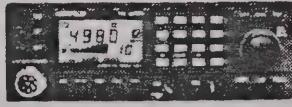
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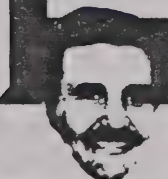
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# THE BLOWN FUSE



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## COMING EVENTS

- |        |         |                                   |
|--------|---------|-----------------------------------|
| OCT 10 | 7:30 pm | W6EJA Memorial Station opens      |
|        | 8:00 pm | EAST BAY A.R.C. MEETING           |
|        |         | Topic: ARRL Issues and Policies   |
|        |         | Speaker: Rod Stafford (KB6ZV)     |
|        |         | FIRST W6OLN RAFFLE!               |
| NOV 4  |         | ELECTION DAY - REGISTER AND VOTE! |
| NOV 14 | 8:00 pm | EAST BAY A.R.C. MEETING           |
|        |         | Topic: EBARC Field Day Videotape  |
|        |         | Producer: Harry Bier (WA6TNI)     |
|        |         | SECOND W6OLN RAFFLE!              |

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## GENERAL MEETING MINUTES

September 12, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 7:56 pm by First Vice President Richard Fish (N6IIW).

Guests: Bill Davis (KA6DFY), who became a member at this meeting.

Upgrades: R.L. "Robbie" Robinson (N6NML) has upgraded from Technician to General. Rigina Burke (KB6MWP) has moved up from Novice to Technician.

Secretary & Treasurer: The Treasurer's Report for August and the General Meeting Minutes for July and August were approved as printed in THE BLOWN FUSE.

Emergency Service: Dave Tyler (N6DRT) gave a reminder about the training session at Consolidated Fire College in Concord to be held Sunday, September 14th. Dave said the California Division of Forestry will put on a simulated emergency test in October. Don Simon (N16A) reported that the Berkeley Red Cross will have classes on damage assessment starting November 6th at 7:45 pm.

Club Station: Don Stiver (N6EEG) reported that a new deep cycle battery is needed for the Richmond Red Cross station. A motion was made, seconded, and approved to authorize the Station Committee to purchase a new battery and battery charger.

Publications: Al Streit (KG6HF) spoke to the group about his intention to retire as Editor of THE BLOWN FUSE and described the work involved. It was decided that the task of finding a new editor should be referred to the nominations committee. In a related matter, a motion was made and passed that the Club try to obtain a Post Office Box in the Club's name for up to \$22.00 per year.

W6OLN Raffle: The three Grand Prizes to be raffled at the October, November, and December meetings were shown and ticket sales begun.

Program: Guest speaker for the evening was Jim Johnston (K6APW) on the subject of the National Traffic System. Jim described the structure of the nationwide "area" nets and how traffic is passed between them. An example was given illustrating the form used for message traffic. Jim described how the typical CW traffic net is conducted, and estimated that traffic is passed 75% via CW and 25% by 'phone.

The meeting was adjourned at 9:32 pm for refreshments and an auction.

John Percival (W16O), Secretary

## "YOUTH IN AMATEUR RADIO" NATIONAL ART CONTEST FOR STUDENTS

The American Radio Relay League is sponsoring a national art contest with the theme "Youth in Amateur Radio". Besides prizes, winning entries and other entries deemed appropriate will be forwarded to the worldwide competition sponsored by the International Telecommunication Union in Geneva, Switzerland.

Entrants must be sponsored by an ARRL member. A list of possible sponsors and entry forms are available from ARRL, Dept.Y, 225 Main Street, Newington CT 06111. ARRL members may also enter the competition. Entries must be received at ARRL no later than Sunday, February 1, 1987.

There are three age categories. A first, second, and third prize will be awarded for each one. They are Group 1 (ages 8-12), Group 2 (ages 13-15), Group 3 (ages 16-18).

The theme "Youth in Amateur Radio" is wide open to encourage students to use their imagination in the following media: photography, drawings, paintings, and other illustrations (excluding written text). No artwork should be larger than 11"x14", and each entry must be the original creation of the entrant. Entries become the property of the ARRL and cannot be returned. Winners will be announced in QST.

## TED HARRIS (N6IIU) TO SPEAK AT NALCO ARES MEETING

Ted Harris (N6IIU) will speak before the meeting of Northern Alameda County Amateur Radio Emergency Service (NALCO ARES) scheduled for 8 pm, November 6, at the Berkeley Red Cross, 2117 Allston Way. His topic will be Amateur Radio and the 1985 Mexico City Earthquake. Ted, who is an expert on emergency communications and amateur radio, handled emergency traffic in Mexico City, and will present a slide show portraying this experience. For further information, call Don Simon (N16A) at 237-1381.

## PROGRAM NOTES

by Rich Fish (N6IIW)

October 10, 1986 -

Rod Stafford (KB6ZV)  
ARRL Division Director Visit

First Drawing for W6OLN Raffle  
- HeathKit Solid State Test Lab  
(3rd Grand Prize)

Rod Stafford (KB6ZV), has been active in visiting the ARRL affiliated clubs in his Division, and we hope many EBARC members will turn out to welcome him and learn the latest news about League activities.

Club members will also have a chance to buy additional tickets for the W6OLN Raffle before the First Drawing for the HeathKit Solid State Test Lab gear and other consolation prizes. Remember -- you can still purchase tickets by mail from the Club's mailbox (P.O. Box 6211, Albany CA 94706), and if you don't win the first time, your tickets remain in the basket for the remaining drawings.

November 14, 1986 -

Field Day Videos

Club Officer Elections

Second Grand Prize in W6OLN Raffle - HeathKit  
Solid State Twins Station

Harry Bier (WA6TNI) will show his video tape film of the East Bay Field Day effort this past June. To stay in the mood for another great Field Day (many thanks to Mike Young, K6MBV) next year, we'll see the ARRL-produced video, "Field Day", too.

The second Grand Prize, the HeathKit Solid State Twins Amateur Radio Station, will also be drawn by the lucky club member tonight.

December 12, 1986 -

Christmas Party - Club Officer Installation

First Grand Prize in W6OLN Raffle - Drake  
Twins Station

## THE BASE STATION

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Concord  
685-7388

*new address - open Mondays*

### TREASURER'S REPORT - SEPTEMBER, 1986

#### September Income:

New Member: Bill Davis (KA6DFY)	\$ 3.00
A.R.R.L. Renewals: J. Percival (WI6D), D. Simon (NI6A), and G. Parsons (NU6W)	75.00
Auction Sales	40.50
Raffle Ticket Sales	272.00
Coffee Kitty	6.55
Station Fund	5.48
Total September Income:	\$402.53

#### September Disbursements:

A.R.R.L. Renewals (WI6D, NI6A, NU6W):	\$ 69.00
Blown Fuse Printing (August)	38.00
Blown Fuse Postage (August)	19.80
Blown Fuse Printing (September)	38.34
Blown Fuse Postage (September)	19.80
Refreshments	9.68
Total September Disbursements:	\$194.62

#### Central Bank Accounts (Oct 02 86):

Checking (General Fund)	\$596.64
Savings (Station Fund)	\$770.06

The Raffle ticket sales for the forthcoming Raffles has done much to improve the treasury, and we are anticipating an even better return of receipts as the time draws nearer of each Raffle.

The 1987 Membership Drive is at hand. Those who would like to renew their membership may do so now. The dues for 1987 are the same: \$12 per member, or \$15 for their family plan. Please remember to write your call sign on your check.

Remember to feed the Kitty!  
Gordon Parsons (NU6W), Club Treasurer



\*\*\*\*\*

W6OLN RAFFLE

EAST BAY AMATEUR RADIO CLUB

\*\*\*\*\*

Three Monthly Drawings

Prizes Donated by W6OLN Totaling More than \$1000

Three Grand Prizes:

10/10/86 - Heathkit Solid State Lab Instruments

11/14/86 - Heathkit Solid State Twins (HR-1680/HX-1681)

12/12/86 - Drake Twins (T4XC/R4C)

More than Forty Consolation Prizes to be Raffled too!

Tickets \$3.00 each/4 for \$10.00/10 for \$20.00; Every Ticket  
Eligible for each Prize.

Tickets Available only to EBARC members; so renew or join now!

RULES

1. Tickets to be sold only to 1986/1987 East Bay Amateur Radio Club Members.
2. Drawings will be held at EBARC regular monthly meetings during the months of October, November, and December, 1986.
3. Winners will be notified immediately and need not be present to win.
4. Each ticket holder is eligible for every prize.
5. EBARC Members may purchase tickets at club meetings or by mail from the Club P.O. Box 6211, Albany, CA 94706. Checks-only by mail please (no cash), made payable to "East Bay Amateur Radio Club". All check orders received by 5:00 PM on the Friday one week before the Drawing will be entered for that and any remaining Drawings.
6. Decisions of the EBARC Raffle Committee will be final in all matters.

The EAST BAY AMATEUR RADIO CLUB is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

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Bob Fabry (N6EK) Second Vice President, Hospitality Chairman	527-7655
Al Streit (KG6HF) Third Vice President, Membership Chairman, Publications Chairman	526-5743
John Percival (WI6D) Secretary	232-8111
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Don Waits (WD6DLR) Education Chairman	529-1785
Mike Young (K6MBV) Field Day Chairman	531-5197

#### AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	Thurs	1900	145.110
Northern Alameda County ARES Net	Thurs	1915	147.540
Contra Costa Communications Club Net	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Thurs	2000	146.880
"Over the Hill Gang" Breakfast/Commute Net	Mon-Fri	0710	145.110
Northern California Net VHF Session	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for November issue: Saturday, November 1. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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**SPECIAL NEW PRICE!**

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FIRST COMPACT 70W/2M  
FM MOBILE TRANSCEIVER

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### KENWOOD TR-751A

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COMPACT 2-METER  
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The First Comprehensive  
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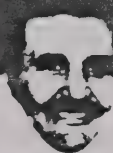
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Hwy 163 & Claremont Mesa Blvd

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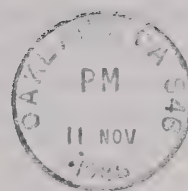
**EAST BAY AMATEUR RADIO CLUB**

**W6CUS**

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## **COMING EVENTS**

NOV 14 7:30 pm W6EJA Memorial Station opens  
8:00 pm EAST BAY A.R.C. MEETING  
EBARC Field Day Videotape  
SECOND W6QLN RAFFLE!  
EBARC Officer Elections

DEC 12 8:00 pm EAST BAY A.R.C. MEETING  
EBARC Christmas Party  
Club Officer Installation  
THIRD W6QLN RAFFLE!

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## KIT CHANTAROTWONG (KB6JZM) ASSISTS IN TOWER RAISING

The spirit of fraternalism in ham radio still lives on in the person of East Bay Amateur Radio Club member Kit Chantarotwong (KB6JZM). Fellow Club member Corwin Roberts (WI6L), who is visually impaired, reports that Kit, who he met through an ad in THE BLOWN FUSE, responded to Corwin's need and almost single-handedly erected a 40-foot Rohn tower for him. Kit dug the hole, mixed the concrete, set the base and first section, and poured the concrete base.

Later, with a friend, Kit put up two more sections, but was forced to stop when he noticed that a gin pole was damaged. Upon receipt of a replacement gin pole, he will finish the rotor, mast, and raising of the 3-TBA for super DX! Corwin points out that, in spite of working, raising a family, going to computer school, fixing up his house and yard, and studying ham radio, Kit still finds time for good deeds.

On behalf of the EBARC, THE BLOWN FUSE salutes Kit for a job well done!

-----

### FREE TOWER!

Al Streit (KG6HF) has offered his 54-foot Tristao Tower, model no. CTL-154, FREE OF CHARGE to any East Bay Amateur Radio Club member.

The only "catch" to this offer is that the recipient will have to lower and remove the tower. However, for the price of a half-day's labor, this is still an excellent deal.

Al is making this offer because he obtained the tower two years ago under similar conditions. This tower originally belonged to long-time EBARC member Dick Nystrom (K6GEP), who passed away in 1983. His family offered it to any Club member free of charge. Al would like to see the tower remain "in the EBARC family".

Accordingly, the tower will not be put on the open market (e.g., swap nets, ads at HRO, etc.) until January, 1987. It is offered exclusively to EBARC members at this time.

For further information, contact Al at (415) 516-5743.

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## GENERAL MEETING MINUTES

October 10, 1986

The regular meeting of the East Bay Amateur Radio Club was called to order at 7:59 pm by President Bob Wheeler (KF6PD).

Program: Guest speaker for the evening was Rod Stafford (KB6ZV) who is the ARRL Pacific Division Director. Rod announced that the East Bay A.R.C. has been named winner of the "Club of the Year" in the large club category. Concerning the ARRL's Novice privilege enhancement proposal, Rod expects the F.C.C. to take action by the end of this year. Also discussed were the ARRL Visitor Center proposal, the automatic transmitter ID'er issue, and the continuing problem of attracting new people into amateur radio.

W6OLN Raffle: The Club approved a motion that makes the drawing of a ticket for a prize final. The first of three monthly drawings followed with Dave Pugatch (KB6MZA) winning the evening's grand prize, the Heathkit Solid State Test Lab.

Guests: Dawn Marie Biocca (KB6LHP), Ed Castell (KE6AM), and Rod Stafford (KB6ZV).

Upgrades: Regina Burke (KB6MWP) has upgraded for the second month in a row, this time from Technician to Advanced.

Secretary & Treasurer: The General Meeting Minutes for September, and the Treasurer's Report for September as amended by Gordy Parsons (NU6W) were approved.

Emergency Service: Don Simon (NI6A) reminded the group of the Simulated Emergency Test (SET) scheduled for October 18th. Also, Ted Harris (N6IIU) will speak at the November 6th meeting of NALCO ARES at the Berkeley Red Cross.

Club Station: Don Stiver (N6EEG) reported that a new deep cycle battery has been purchased for \$76.00.

Digital Radio: Rich Fish (N6IIW) reported that an application to permit an HF packet link to W6CUS-1 has been made.

New Business: Carl Clark (WA6KTL) said Muriel Hunter (WD6FRP) is still very ill and would appreciate a greeting. Don Waits (WD6DLR) suggested that our Club send a letter of congratulations to the Amateur Radio Club of Tacoma on the occasion of their 50th anniversary.

The meeting was adjourned at 10:15 pm and followed by an auction.

John Percival (WI6O), Secretary

# THE BASE STATION

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*new address - open Mondays*

## \$65,000 OF ILLEGAL RADIO EQUIPMENT SEIZED

by Amy Freundlich

On October 23, 1986, personnel from the Federal Communications Commission's San Francisco Office destroyed an estimated \$65,000 worth of illegal radio equipment, including radio frequency amplifiers and modified CB transceivers, at the Sanitary Fill Company, 501 Tunnel Avenue, San Francisco, California.

The equipment was seized through executed warrants against several Northern California CB sales outlets as well as surrendered by individual CB operators, in lieu of prosecution. This action was taken as a result of a lengthy investigation by the F.C.C. as part of a continuing nationwide enforcement program to assure that the F.C.C. ban on manufacturing, selling, and use of CB linear amplifiers and other non-type accepted transmitters is observed.

The equipment was capable of causing harmful interference to public safety and emergency radio services, as well as to home electronic entertainment equipment. The CB radio equipment was not authorized by the F.C.C. for sale or use. The radios operated on frequencies outside the CB Radio Service with unauthorized emissions and illegal transmitter power.

For further information, contact Amy Freundlich at (415) 556-7701.

## FCC CRACKS DOWN ON ILLEGAL CB TRANSMITTERS

Earlier this year, the F.C.C. announced that it would increase its efforts to combat the sale and use of illegal CB linear amplifiers. A 1985 study revealed that 57% of all cases of interference to home electronic entertainment equipment was attributable to illegal CB power.

Anyone who has information concerning the illegal manufacture, marketing, or use of CB linear amplifiers is encouraged to telephone the San Francisco F.C.C. Office.

## TREASURER'S REPORT - OCTOBER, 1986

### October Income:

New Member: Dawn Biocca (KB6LHP)	\$ 15.00
Family Membership Renewals: Al & Joanne Streit (KG6HF/N6LSV), Carl & Mae Clark (WA6KTL)	30.00
Membership Renewals: Bill Davis (KA6DFY)	12.00
ARRL Renewals: Doug Cain (N6JNK) and Carl Clark (WA6KTL)	45.00
Advertising: Ham Radio Outlet	30.00
Advertising: The Base Station	9.00
Auction Sales	52.75
Raffle Ticket Sales	338.00
Coffee Kitty	10.40
Station Fund	2.85
Total October Income:	\$545.00

### October Disbursements:

A.R.R.L. Renewals (WA6KTL, N6JNK):	\$ 41.00
Marine Battery	80.89
Refreshments	9.86
Total October Disbursements:	\$131.75

### Central Bank Accounts (Oct 24 86):

Checking (General Fund)	\$566.25
Savings (Station Fund)	\$1,163.66

An error was made on last month's disbursements. I forgot to list the filing fees and related expenses for the Club's petition for tax exempt status. This amounted to \$50.04. The figure for September's checking account balance should have read \$546.60.

Remember to feed the Kitty!  
Gordon Parsons (NU6W), Club Treasurer



\*\*\*\*\*

## W6OLN RAFFLE

### EAST BAY AMATEUR RADIO CLUB

\*\*\*\*\*

#### Three Monthly Drawings

Prizes Donated by W6OLN Totaling More than \$1000

#### Three Grand Prizes:

10/10/86 - Heathkit Solid State Lab Instruments

11/14/86 - Heathkit Solid State Twins (HR-1680/HX-1681)

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6. Decisions of the EBARC Raffle Committee will be final in all matters.

## PACIFIC DIVISION DIRECTOR'S REPORT

by Rod Stafford (KB6ZV)

A bit of news dealing with the Thernes case in Kentucky. If you'll recall, John Thernes (WM4T) is the amateur who has been battling the city where he lives to put up an antenna. The city passed an ordinance that prohibited ALL antennas. The case went to the appellate court and PRB-1 was released on the day before oral arguments were set to be heard. The appellate court sent it back to the trial court for further proceedings and the case may very well be coming to an end, hopefully in favor of Thernes. What is interesting is that the F.C.C. has let it be known that they will file an amicus (friend of the court) brief arguing that PRB-1 was a proper subject for the F.C.C. to become involved in if the city tries to have PRB-1 declared null and void. The city feels the F.C.C. went too far with PRB-1 and is getting involved in purely "local" matters. Some action is expected soon in the case.

Well, the "Archie Comic Book" has hit the streets and it looks really good. It's directed toward kids in the area of 8-12 years old. If you know a teacher, ask the teacher if you can come to the school and give a talk and demo on amateur radio to the class. Then send the teacher's name and address to ARRL Headquarters and request the teacher be sent a supply of the comic books to distribute them to the class. I "field tested" the comic book on my 8-year-old and it kept his attention during the entire story.

Country singer Ronnie Milsap (WB4KCG) recorded a series of TV public service announcements about amateur radio. They are aimed at explaining amateur radio to the public. If you know of anyone who works at a TV station and can get the station to run some of the spots, contact Karl Townsend at ARRL Headquarters to order a copy of the tape. It comes in broadcast-standard 3/4-inch video format, the format preferred by TV stations.

There were 20,979 new licensees entering amateur radio during the fiscal year just ended. That's an increase of 21 percent over the previous year! There was also an increase (up to 9 percent) in the number of licensees who just skipped the Novice license and entered amateur radio as a technician or higher license

holder. As far as ARRL membership goes, ARRL's U.S. membership increased by 8,615 full memberships. That means about 31 percent of the licensed amateurs are ARRL members.

For those of you interested in handling third-party traffic on packet radio, the F.C.C. has now amended Part 97 to permit network stations transmitting digital communications on VHF and above, using the AX.25 packet protocol, to be operated under automatic control while handling third-party traffic. The F.C.C. deferred action on requests for automatic control on frequencies below VHF until its feasibility can be studied and determined. The ARRL is currently putting together a proposal for a Special Temporary Authorization (STA) to run HF packet stations under automatic control on an experimental basis.

The Field Resources Directory ("FRd", as it's called) is available to ARRL Field Organization appointees and affiliated clubs at a discount price of \$5.00 per copy. The white pages contain a directory of all the ARRL Field Organization appointees. The yellow pages contain listings of equipment and parts suppliers and manufacturers. Blue pages include a great deal of reference material including indexes to QST, QEX, and Gateway. Send your request to ARRL Headquarters along with \$5.00 and your field appointment to receive a copy. (October 25, 1986)

## PROGRAM NOTES

by Rich Fish (N6IIW)

### November 14, 1986 - Club Officer Elections

Second Grand Prize in W6OLN Raffle: Heathkit Solid State Twins Station

East Bay Amateur Radio Club 1986 Field Day Video Premiere, by Harry Bier (WA6TNI).

### December 12, 1986 - Annual Christmas Party & Club Officer Installation

W6OLN Raffle Concludes: Drake Twins Radio Station Grand Prize to be drawn, as well as all remaining consolation prizes.



**F.C.C. ISSUES ORDER IN PR  
DOCKET 85-105: AUTOMATIC  
CONTROL OF AMATEUR RADIO  
STATIONS**

by Rich Fish (N6IIW)

The Federal Communications Commission has responded to two issues raised by petitions for reconsideration (including one filed on behalf of the East Bay Amateur Radio Club) of its January, 1986 Report and Order authorizing automatic control of amateur radio stations on 50 MHz and above.

The first issue concerns extending automatic control operation to digital communications stations on the HF band. The second issue concerns exception of control operator personal supervisory presence required for AX.25 packet stations retransmitting third-party traffic.

The F.C.C. has decided not to authorize automatic control operation for digital communications on the HF band, and has deferred further consideration of such expansion. In the meantime, the ARRL is requesting special temporary authorization for a small group of packet stations to operate under automatic control on the HF bands to determine the feasibility of such operation, and to help the F.C.C. determine the rules necessary to prevent interference to and from other amateur operations.

With respect to the second issue, the F.C.C. has authorized exception to the requirement of station control operator presence for AX.25 packet radio stations retransmitting third party traffic that was originated at an amateur station under local or remote control. This decision incorporates an earlier (March, 1986) temporary waiver into the F.C.C. Rules and Regulations (Section 97.80).

Contact Rich Fish (N6IIW) for a copy of the F.C.C. Memorandum Opinion and Order released October 16, 1986.

**EBARC TAX-EXEMPT STATUS  
APPROVED BY FRANCHISE TAX  
BOARD**

The East Bay Amateur Radio Club has taken another step forward in its quest to obtain status as a tax-exempt corporation when, on October 30, 1986, the Franchise Tax Board of the State of California approved tax-exempt status under Section 23701(f) of the California Revenue and Taxation Code.

Previously, on September 18th, the Secretary of State approved the Club's proposed Articles of Incorporation. These Articles were placed in a pending file, awaiting the determination of exempt status by the F.T.B. It is anticipated that formal notification by the F.T.B. of its granting of exemption will be forwarded directly to the Secretary of State's office. At that time, the Articles will be filed and the incorporation will be complete.

Tax-exempt status was granted after a review of the Club's legal documents. The Club had applied for exemption under Section 23701(d) as a charitable organization, which was denied. The determination read in part: "Although part of the organization's objectives may be charitable in nature, the significant amount of activities directed at the benefit of the members . . . will render the organization not exclusively charitable.

"However, since it does appear that you qualify for exemption as a service club, enclosed is our letter of determination granting your organization exemption from tax under Section 23701(f) of the Revenue and Taxation Code."

Upon receiving notification that status as an exempt corporation has been achieved, the Club will proceed with its application for tax-exempt status at the Federal level, which has been stalled pending determination at the State level.

The EAST BAY AMATEUR RADIO CLUB is comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Individual membership is \$12 per year; family membership is \$15 per year. Contact any East Bay A.R.C. official listed below for further information, or write to: EBARC, P.O. Box 6211, Albany CA 94706.

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Carl Eastman (KA6OLK)	237-2621
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Mike Young (K6MBV) Field Day Chairman	531-5197

### AMATEUR RADIO NETS

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EAST BAY AMATEUR RADIO CLUB SSB NET	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	Thurs	1900	145.110
Northern Alameda County ARES Net	Thurs	1915	147.540
Contra Costa Communications Club Net	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Thurs	2000	146.880
"Over the Hill Gang" Breakfast/Commute Net	Mon-Fri	0710	145.110
Northern California Net VHF Session	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for December issue: Saturday, November 29. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Al Streit (KG6HF) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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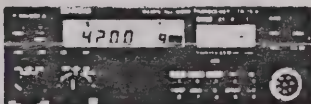


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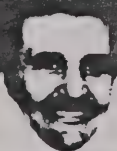
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— 1986 —

## COMING EVENTS

DEC 12	7:30 pm	W6EJA Memorial Station opens
	8:00 pm	EAST BAY A.R.C. MEETING
		EBARC Christmas Party
		THIRD W6OLN RAFFLE!
		EBARC Officer Installation
JAN 9	8:00 pm	EAST BAY A.R.C. MEETING
		Program to be announced

**THE EAST BAY AMATEUR RADIO CLUB meets at 8:00 pm the second Friday of each month at the Salvation Army Church, 1110 36th St. (at Rheem Ave.), Richmond, CA**



## RICH FISH (N6IIW) HEADS E.B.A.R.C. LEADERSHIP TEAM FOR 1987

by Al Streit (KG6HF)

Approving a slate selected by the Nominating Committee, the general membership of the East Bay Amateur Radio Club elected its Club officers for 1987. Richard Fish (N6IIW), who served the Club well as First Vice President during 1986, has moved up the ladder as EBARC President for the coming year. Long-time EBARC member and Chairman of the Education Committee, Don Waits (WD6DLR) was chosen as Rich's replacement as First Vice President. Two newcomers to the ranks of Club officers were selected to fill the remaining vice president posts: Dick Crooke (KB6JEC), our new Second Vice President, and Tim Home (N6NVD) our new Third Vice President. Rounding out the list of Officers for 1987 are two men who need no introduction: John Percival (WI6O), and Gordy Parsons (NU6W) who will continue as Secretary and Treasurer, respectively.

It is worth noting that Gordy, who first became Treasurer in 1984, is now the senior Club officer. Our Club has not only attracted many new members over the past several years, it has encouraged its new members to take an active role in Club affairs. Thus, we have developed a pool of talent which has enabled us to remain healthy, viable, and active. If, in the years to come, our Club continues to receive infusions of new blood at the leadership level (as well as the membership level, the East Bay Amateur Radio Club will continue to prosper.

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### EBARC ACHIEVES CORPORATE STATUS

by Al Streit (KG6HF)

The East Bay Amateur Radio Club enters 1987 as the East Bay Amateur Radio Club, Inc., a California nonprofit, nonstock corporation. The Club was granted exemption under Section 23701(f) of the California Revenue and Taxation Code as a service club, i.e. an organization which is exclusively for the promotion of social welfare. The Club's Articles of Incorporation were filed October 29, 1986, upon approval of exempt status.

It is hoped by Club officials that corporate status will qualify the EBARC for preferential liability insurance rates and help eliminate whatever personal liability individual officers and board members may have in the event of litigation. As an exempt corporation, the Club will not be liable for the \$200 per year minimum franchise tax charged for-profit corporations.

The final step may now be taken, which is the application for tax-exempt status at the Federal level. The Internal Revenue Service rejected the original application on the grounds that the Club's Articles of Incorporation had not yet been filed. This filing now history, our application may proceed.

### TORCH PASSED TO NEW BLOWN FUSE EDITOR

by Al Streit (KG6HF)

Beginning with the January, 1987 issue, Richard Fish (N6IIW) will assume the editorship of THE BLOWN FUSE. Al Streit (KG6HF), who has been Editor since January, 1984, and had served as assistant editor during 1983, had previously announced his intention to step down at the end of 1986.

Normally, the appointment of someone as obviously well-qualified as is Rich to serve as BLOWN FUSE Editor would warrant major story treatment. However, Rich has also consented to serve as EBARC President as well during 1987. Our Club is indeed fortunate to have persuaded someone with Rich's talents to serve in these two critical capacities.

As Editor and Publications Committee Chairman, Rich will be assisted by John Billones (WD6GGC), who is a retired graphic artist and who will assist in layout and printing of the newsletter. Any other Club members who would like to help with the publication of THE BLOWN FUSE are encouraged to help in any way possible. Of course, any articles, opinions, letters, etc. are always welcomed.

## TREASURER'S REPORT NOVEMBER, 1986

by Gordy Parsons (NU6W)

The Raffle Ticket sales have increased the Club's Treasury by \$798 as of the November meeting, and we have yet another drawing to go! Let us continue to buy more raffle tickets, but let us also renew our membership for 1987. Let us all start the new year with a brand new 1987 EBARC membership card in our wallets. Please pay by check, if possible, and be sure to write your call sign on it. Send your check to:

EBARC Inc., P.O. Box 6211, Albany CA 94706, or have it ready for me at the December Christmas Party before the meeting starts. I would like to have time to enjoy the refreshments and festivities with everyone else.

Let us remember the Salvation Army at Christmas as we always do. The Club Treasurer (me) will collect your checks and cash to send in collectively as a gift from W6CUS. Make your check to the Salvation Army so that you may use it for a tax deduction. If you are going to give cash, and would like a receipt for tax purposes, please let me know as you make your gift. All anonymous cash will go to the fund in the form of a check from the Club's checking account.

Merry Christmas and have a very Happy New Year!  
Gordon Parsons (NU6W), Club Treasurer

### November Income:

New Member: Armando Chenyek (OA4BND/6)	\$ 12.00
Family Membership Renewals: Sherrick Slattery & Chinn Callan (KA6NZB/N6NAV)	15.00
Renewals: NU6W, W6JRZ, K6HJU, WI6L, WB6UYJ	60.00
Raffle Ticket Sales	178.00
ARRL Renewals: Sherrick Slattery (KA6NZB) and Bernie Bacom (WB6UYJ)	50.00
W6CUS Christmas Gift Fund for Salvation Army	30.00
Auction Sales	3.50
Coffee Kitty	4.35
Station Fund	4.00
Total November Income:	\$356.85

### November Disbursements:

A.R.R.L. Renewals (KA6NZB, WB6UYJ):	\$ 46.00
Film/Photo Development	21.25
Blown Fuse: October Printing	28.76
October Postage	19.80
November Printing	38.34
November Postage	19.80
Refreshments	34.20
Total November Disbursements:	\$208.15

### Central Bank Accounts (Nov 22 86):

Checking (General Fund)	\$499.45
Savings (Station Fund)	\$1,354.53

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### NOTICE TO ALL CLUB MEMBERS

A new Club roster and mailing list has been developed by the 1987 Publications Committee, Rich Fish (N6IIW) and John Billones (WD6GGC), for use in the BLOWN FUSE mailings for next year. Please check the roster to be sure your name, call, address, license, ARRL membership, and phone numbers are correct.

If you have any corrections, please call Rich at 799-1230 or John at 237-1272, or send a note to the Editor at P.O. Box 6211, Albany CA 94706, to let us know.

### REMINDER TO ALL CLUB OFFICERS

Club Officers should prepare a brief job description, describing their duties and functions in that office, which they should pass on to their successors. Please make an extra copy to the Club Secretary, John Percival (WI6O).



by Rod Stafford (KB6ZV)

Annual Christmas Party - EBARC will again hold its Christmas Party at the December meeting where it is traditional for members to bring a small present for a ham and another for a non-ham. Assortments of snacks or desserts to share with other Club members at the Party would also be welcomed. Club Officers elected for the 1987 year will be installed at this meeting, and Club members will be able to express their thanks to outgoing Club Officers and other individuals who have contributed to Club activities during this year.

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#### THANKS TO THE SALVATION ARMY

Officers of the Salvation Army will be present at a function in the Fireside Room during our December meeting which will be held in the Chapel. This will be a great opportunity for the East Bay Amateur Radio Club to express its thanks to the Salvation Army for the meeting and station privileges it extends to the Club. We might take this occasion to offer a demonstration of our communications skills to the Salvation Army Officers, as well as to present whatever individual donations Club members may wish to make to the Salvation Army to assist in its humanitarian efforts. If you can't attend the Party, please send any donations to the Salvation Army by check to Gordy Parsons (NU6W), c/o: EBARC Inc., P.O. Box 6211, Albany CA 94706.

---

#### W6OLN RAFFLE CONCLUDES

THE GRAND PRIZE, the Drake Twins Station, will be won by the lucky ticket holder of the raffle drawing. All remaining consolation prizes will go this night, too. Next year we will hold monthly door prize drawings for additional gear donated by W6OLN, KB6MZA, and others....

---

MERRY CHRISTMAS  
AND HAPPY NEW YEAR!

FROM "THE BLOWN FUSE"

---

Several of the members of the ARRL Board of Directors are lawyers, including me. In January, the ARRL Board created the Legal Strategy Committee (LSC). The LSC, made up of those lawyers who are Directors and Vice Directors, met at the ARRL Nevada State Convention in Las Vegas in early November. Several topics were discussed including the League's position on the F.C.C. no longer maintaining the VEC question pools, various approaches to attack covenants, conditions, and restrictions (CC&Rs) that prohibit amateur antennas, reviewing some engineering data for use in tower cases as well as a number of other legal related amateur radio topics. In later reports, I'll keep you posted on any action taken by the LSC.

It is a good idea to take your F.C.C. license out and check the expiration date once in a while. Be advised that there are companies that have access to F.C.C. records for the purpose of sending notices to hams that their license is about to expire. These companies also state that for a fee they will renew your amateur license with the F.C.C. These notices come in "official looking" envelopes, and it would be natural for someone to think that they came from the F.C.C. It costs nothing to renew your ham license, and if you're having trouble figuring out F.C.C. Form 610, ask around for a fellow ham to help you complete the form (preferable one who knows how to do it). By the way, the F.C.C. is currently revising Form 610, and a new version should be out around the first part of 1987.

A number of people have asked me about ARRL Life Memberships lately. Life Memberships currently cost \$625. Applicants can choose to pay the cost over a two-year period in eight quarterly payments. The applications can be obtained from ARRL Headquarters or from me (an SASE would be appreciated).

The 1987 ARRL Handbook is now available. Same price as last year, \$18. If you can believe it, it's even bigger than the 1986 (63rd) edition. Updated  
(CONTINUED - PAGE 6)



NAME	CALL	ADDRESS	CITY	ST/ZIP	LICENSE	ARRL	PHONE
Ahlberg, Ray	N6DIG	71 Kingston Road	Kensington	CA 94707	General	Yes	(415) 525-8858
Arnold, Ed	K6AGD	P.O. Box 412	Butte Falls	OR 97522	Advanced	Yes	(415) 223-7967
Bacom, Bernie	WB6UYJ	2017 Sutter Avenue	San Pablo	CA 94806	Technician	Yes	(415) 233-9568
Baldo, Betty	KB6P	3 Eton Court	Berkeley	CA 94705	Extra	Yes	(415) 653-1650
Baldo, Chris	AI6S	P. O. Box 26	Rumsey	CA 95679	Extra	Yes	(916) 796-3701
Bergman, Gene	WB6IBU	1514 Virginia Street	Berkeley	CA 94703	General	Yes	(415) 841-0277
Bier, Harry	WA6TNI	226 Sunnysbrae Drive	Martinez	CA 94553	Technician	Yes	(415) 372-6755
Billones, John	WD6GGC	1416 Lawrence Street	El Cerrito	CA 94530	Advanced	Yes	(415) 237-1272
Biocca, Dawn	KB6LHP	1840 Espanola Drive	San Pablo	CA 94806	Technician	Yes	(415) 232-0414
Bodin, Les	W6JKY	2509 Taylor Ave	Oakland	CA 94605	General	No	(415) 632-3707
Burke, Regina	KB6MWP	P. O. Box 1082	Bethel Island	CA 94511	Technician	No	(415) 372-1154
Cain, Doug	N6JNK	6606 Blake Street	El Cerrito	CA 94530	General	Yes	(415) 237-3294
Callan, Chin	N6NAV	P. O. Box 31872	Oakland	CA 94604	Technician	No	(415) 893-4000
Chantarotwong, Kit	KB6JZM	800 Maison Way	Richmond	CA 94804	Novice	No	(415) 222-1810
Chenyek, Armando	OA4BND/6	3914 Agua Vista Street	Oakland	CA 94601		Yes	(415) 261-5729
Clark, Carl	WA6KTL	1737 Solano Ave #203	Berkeley	CA 94707	General	Yes	(415) 526-3116
Clark, Mae	---	1737 Solano Ave #203	Berkeley	CA 94707	---	No	(415) 526-3116
Crooke, Dick	KB6JEC	1431 Arlington Blvd	El Cerrito	CA 94530	General	Yes	(415) 529-1900
Dairiki, Jeff	---	835 Indian Rock Avenue	Berkeley	CA 94707	---	No	(415) 642-1010
Darret, Sam	N6ALE	1612 Mendocino Ave	Richmond	CA 94804	Technician	No	(415) 525-6297
Davis, Bill	KA6DFY	6039 Arlington Blvd	Richmond	CA 94805	Novice	No	( ) -
Dorsey, Robert	KA6WAG	1308-B Delaware Street	Berkeley	CA 94702	General	Yes	(415) 549-9422
Dunn, Don	K6BJJ	835 Santa Barbara Road	Berkeley	CA 94707	Extra	Yes	(415) 526-7136
Dunn, Mildred	---	835 Santa Barbara Road	Berkeley	CA 94707	---	No	(415) 526-7136
Eastman, Carl	KA6OLK	6016 N. Arlington Ave	San Pablo	CA 94806	Technician	Yes	(415) 237-2621
Fabry, Bob	N6EK	1175 Colusa Avenue	Berkeley	CA 94707	Extra	Yes	(415) 527-7655
Fine, Charles	KBTV1512	2770 12th Street	San Pablo	CA 94806	C.B.	Yes	(415) 724-2424
Fish, Richard	N6IIV	173 Wadi Run	Hercules	CA 94547	Advanced	Yes	(415) 799-1230
Fisher, Bill	WD6FRO	P. O. Box 416	Pt. Richmond	CA 94807	Technician	No	(415) 234-4660
Fisher, Margaret	---	P. O. Box 416	Pt. Richmond	CA 94807	---	No	(415) 234-4660
Foreman, Walt	KB6BYQ	2480 Shawn Drive	San Pablo	CA 94806	Novice	No	(415) 724-1283
Frost, Jack	K6HYS	2609 Chapparal Court	Pinole	CA 94564	Extra	No	(415) 758-2069
Gaposchkin, Peter	KB6WC	1442-A Walnut Street	Berkeley	CA 94709	Extra	Yes	(415) 527-1232
Grimsley, Tom	---	2451 Church Lane	San Pablo	CA 94806	---	No	(415) 237-9731
Howe, Tim	N6NVD	5431 Santa Cruz Avenue	Richmond	CA 94804	General	No	(415) 525-3390
Hunter, Muriel	WD6FRP	902 Indian Rock Avenue	Berkeley	CA 94707	General	Yes	(415) 524-3128
Hutton, Russ	KB6NDF	161 San Carlos Avenue	El Cerrito	CA 94530	---	No	(415) 525-2042
Jackson, Jack	W6KNO	18 Highgate Road	Kensington	CA 94707	General	No	(415) 524-8911
Jennings, Barry	N6KMK	2516 Simas Avenue	Pinole	CA 94564	General	Yes	(415) 223-7391
Johnson, Amos	WA6OUO	737 South 41st Street	Richmond	CA 94804	General	No	(415) 232-2408
Jordan, Craig	KB6EJL	834 Santa Barbara Road	Berkeley	CA 94707	Technician	Yes	(415) 526-6818
Kan, Mike	KB6IRQ	2806-1/2 14th Avenue	Oakland	CA 94606	Advanced	No	(415) 534-3212
Lake, Addison	KB6ICE	1969 Ebsen Ct.	Pinole	CA 94564	Novice	No	(415) 223-0978
Lee, Joe	WB6DOB	1285 McDonald Drive	Pinole	CA 94564	Extra	Yes	(415) 724-0533
Lewellen, Rachel	KB6LHR	6337 Kensington Avenue	Richmond	CA 94805	Novice	No	(415) 233-5034
Lewis, Leo	WA6ZVU	P.O. Box 1547	Richmond	CA 94802	General	No	(415) 232-9492
Losekoot, Bill	K6HVU	50 Eureka Avenue	Kensington	CA 94707	Advanced	No	(415) 526-3040
Luchessa, Chet	WN6P	745 Gateview Avenue	Albany	CA 94706	Extra	Yes	(415) 525-0748
Ludeman, Sue	KA6SOC	6815 Del Monte Avenue	Richmond	CA 94805	General	Yes	(415) 234-0717
Mason, Sam	WD6FTM	1060 Masonic Avenue	Albany	CA 94706	Technician	Yes	(415) 526-5104
McLaughlin, Art	W6THD	91 Evergreen Lane	Berkeley	CA 94705	Extra	Yes	(415) 444-7550
Mertens, Marcia	KB6LGF	1850 San Pedro Avenue	Berkeley	CA 94707	Novice	No	(415) 526-7551
Mertens, Woody	N6LFW	1850 San Pedro Avenue	Berkeley	CA 94707	General	Yes	(415) 526-7551
Nakamura, Yoshi	WB6QKS	516 Fourth Avenue	San Francisco	CA 94118	General	Yes	(415) 751-7857



NAME	CALL	ADDRESS	CITY	ST/ZIP	LICENSE	ARRL	PHONE
Nelson, John	K6PJ	2919 Donner Avenue	Richmond	CA 94804	Extra	No	(415) 232-9390
Nettleton, John	K6MKQ	764 Rincon Road	El Sobrante	CA 94803	Technician	Yes	(415) 223-1780
Parsons, Gordy	NU6W	27808 Manon Avenue, No.9	Hayward	CA 94544	Extra	Yes	(415) 785-4290
Peoples, Joe	NG6C	5949 Arlington Blvd.	Richmond	CA 94805	Extra	No	( ) -
Percival, John	WI6O	2616 Tamalais Avenue	El Cerrito	CA 94530	Extra	Yes	(415) 232-8111
Pugatch, Dave	KB6MZA	738 Wildcat Canyon Road	Berkeley	CA 94708	Novice	No	(415) 527-1043
Purnell, Dan	N6FT	1460 Marin Avenue	San Pablo	CA 94806	Extra	No	(415) 237-1897
Read, Bill	WD6AKC	686 Grizzley Peak Blvd.	Berkeley	CA 94708	Technician	No	(415) 526-8002
Roberts, Corwin	WI6L	1433 Thousand Oaks Blvd.	Albany	CA 94706	Extra	Yes	(415) 524-4190
Robinson, Robby	N6MNL	P.O.Box 724	El Sobrante	CA 94803	General	Yes	(415) 231-2728
Saxton, Phil	N6ASB	2662 Merritt Avenue	San Pablo	CA 94806	General	Yes	(415) 233-5854
Sill, Fred	KA6KZT	878 36th Street	Richmond	CA 94805	Novice	No	(415) 234-4683
Simon, Don	NI6A	2327 Alva Avenue	El Cerrito	CA 94530	Extra	Yes	(415) 237-1381
Slattery, Sherrick	KA6NZB	P.O.Box 31872	Oakland	CA 94604	Extra	Yes	(415) 893-4008
Stiver, Don	N6EEG	1649 Rodger Court	El Cerrito	CA 94530	General	Yes	(415) 233-5846
Strehlan, Fred	NW6E	2318 Mono Avenue	El Cerrito	CA 94530	Extra	Yes	(415) 233-2076
Streit, Al	KG6HF	P.O. Box 6211	Albany	CA 94706	Advanced	No	(415) 526-5743
Streit, Joanne	N6LSV	P.O. Box 6211	Albany	CA 94706	Technician	No	(415) 526-5743
Sturman, Ivan	WB6PIV	7 Arlington Lane	Kensington	CA 94707	Advanced	Yes	(415) 524-9021
Taylor, Frank	WA6VBV	4818 Rosemary Drive	Eagle Rock	CA 90041	General	Yes	(213) 257-0217
Tyler, Dave	N6DRT	731 Adams Street	Albany	CA 94706	General	Yes	(415) 525-6200
Waits, Don	WD6DLR	1221 Everett Street	El Cerrito	CA 94530	Advanced	Yes	(415) 529-1785
Welch, Graeme	W6JRZ	1020 Oxford Street	Berkeley	CA 94707	Extra	Yes	(415) 525-8564
Wexler, Bruce	K3MHD	2062 Southwood Drive	San Pablo	CA 94806	General	Yes	(415) 724-9608
Wheeler, Bob	KF6PD	2827 Creekside Drive	San Leandro	CA 94578	Advanced	No	(415) 483-6724
Whitlock, Jack	KA6NQJ	567 Capitol Drive	Benicia	CA 94510	General	No	(415) 724-1779
Wiegand, Clyde	W6CGD	5964 Margarido Drive	Oakland	CA 94618	Advanced	No	(415) 653-6924
Winters, Al	WA6FFV	5900 Burlingame Avenue	Richmond	CA 94804	General	No	(415) 525-6847
Wong, Phil	WA6DDB	3014 Nicol Avenue	Oakland	CA 94602	General	Yes	(415) 532-5779
Young, Mike	K6MBV	2909 Frye Street	Oakland	CA 94602	Extra	Yes	(415) 531-5197

#### DIRECTOR'S REPORT (Continued from Page 4):

sections include: amateur satellite operation, propagation, weather satellite image reception, filter design and construction, 23cm FM TV, and QRP transmitters. Another new ARRL publication that has just been released is Solid State Design by Wes Hayward (W7ZOI) and Doug DeMaw (W1FB). An excellent technical work with a lot of "weekender" construction projects.

It is uncertain just when the F.C.C. will release its Report and Order in the Novice Enhancement proceeding. A short time ago, it appeared this Report and Order would be out by Christmas. Maybe not. Due to some personnel changes, we may not see the F.C.C. Order until the end of the first quarter, 1987.

Plans for more focused cooperation between the uniformed services and the amateur radio community came out of a meeting in Arizona in October. Chiefs of the three Military Affiliate Radio Systems (MARS), the Department of Defense MARS Liaison Officer, and Perry Williams (W1UED), representing the ARRL, agreed on a program which should result in an increase in the number of amateur radio operators. The ARRL, working with affiliated clubs and the field organization near the military bases, will locate volunteer instructors for amateur radio courses. These will be offered to interested off-duty military personnel, either on base or in a nearby town. The program responds to a January, 1986 ARRL Board motion calling for a closer working relationship with the military via its MARS programs, with training of new amateurs a prime objective.

On November 7, 1986, the F.C.C. released an Order which allows credit for the written part of an examination taken in a VE session. After December 15, 1986, you'll be able to take the written portion of any examination (including Amateur Extra Class) and receive a Certificate of Successful Completion if you pass. Then, within a year, take the code portion of the exam. Until now, you were required to pass the code portion first. (11-20-86)



The **EAST BAY AMATEUR RADIO CLUB, INC.**, founded 1947, is a California nonprofit, nonstock corporation comprised of amateur radio operators in Contra Costa and Alameda Counties, and is open to anyone with an interest in amateur radio! Annual dues are \$12 (individual) and \$15 (family). Contact any East Bay Amateur Radio Club official listed below for further information, or write to: **BARC Inc., P.O. Box 6211, Albany CA 94706.**

The East Bay Amateur Radio Club, Inc. maintains two Club Stations: The W6EJA Memorial Station at the Salvation Army Chapel, 1110 36th Street, Richmond, and the WA6JSO Memorial Station at the American Red Cross, 32nd St & MacDonald Ave, Richmond. The Club callsign is W6CUS.

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### AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ-MHz
EAST BAY AMATEUR RADIO CLUB SLOW CW NET	WEDS	2000	21.115
EAST BAY AMATEUR RADIO CLUB SSB NET	WEDS	2100	21.395
West Contra Costa County RACES/ARES Net	Thurs	1900	145.110
Northern Alameda County ARES Net	Thurs	1915	147.540
Contra Costa Communications Club Net	Thurs	1930	145.110
Oakland Red Cross Emergency Communications Net	Thurs	2000	146.880
"Over the Hill Gang" Breakfast/Commute Net	Mon-Fri	0710	145.110
Northern California Net VHF Session	Daily	1930	145.490

THE BLOWN FUSE is published monthly by the East Bay Amateur Radio Club, Inc., P.O. Box 6211, Albany CA 94706, for the benefit of its membership. Subscription rate is \$12 per year, and is free to East Bay A.R.C. members. THE BLOWN FUSE welcomes articles of interest to its members and amateur radio in general. Deadline for January issue: Saturday, December 27. THE BLOWN FUSE reserves the right to edit or reject any article submitted. Material submitted becomes the property of THE BLOWN FUSE. All articles herein by Richard Fish (N6IIW) except where noted. Permission is hereby granted to reproduce articles contained herein, provided proper acknowledgement is given.



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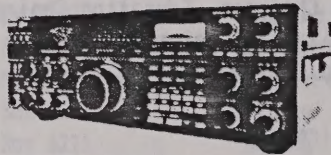
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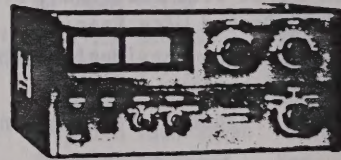
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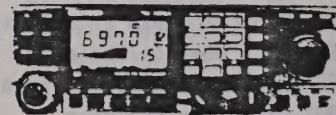
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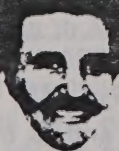
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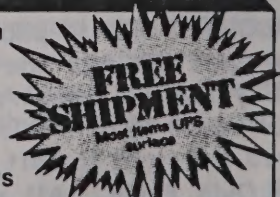
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